

FIG. 1A

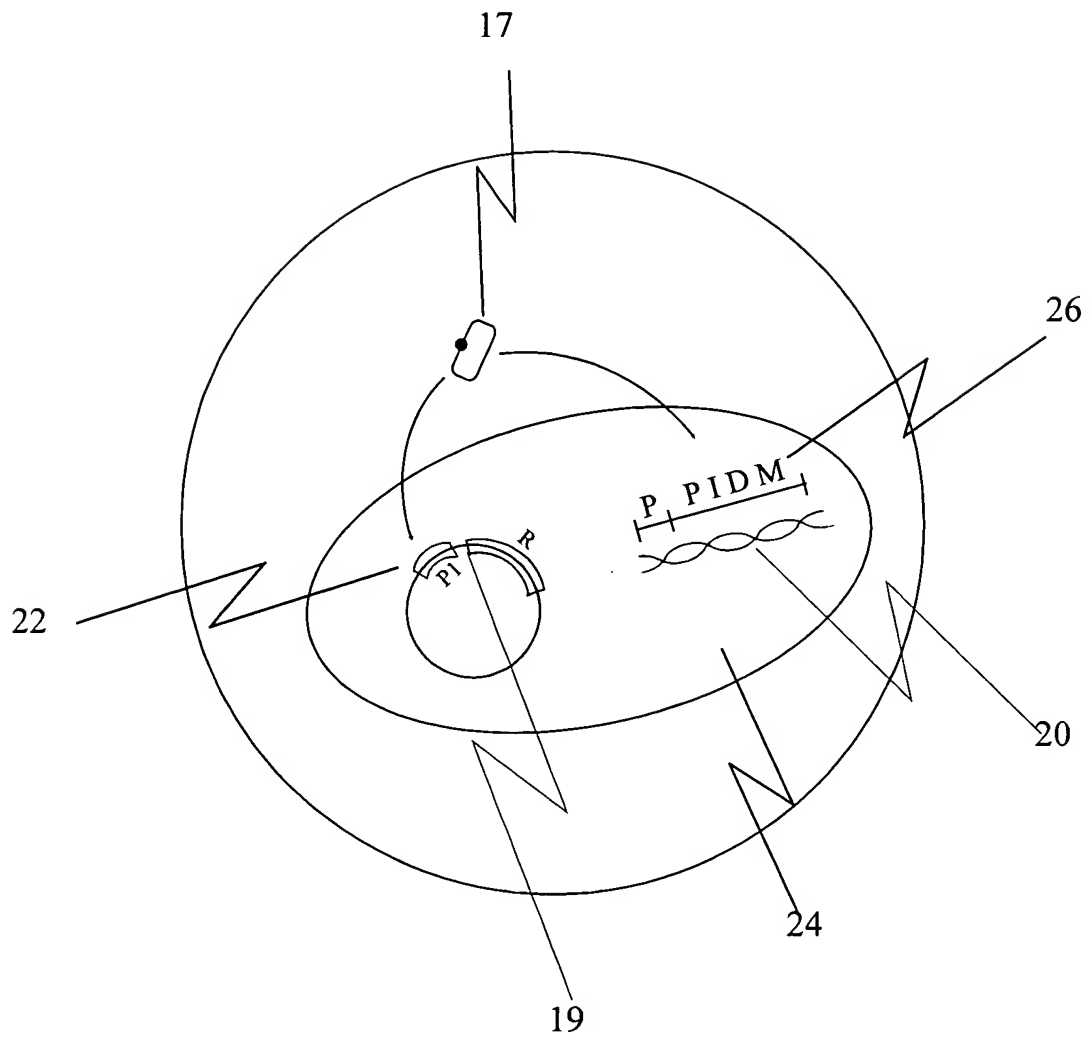


FIG. 1B

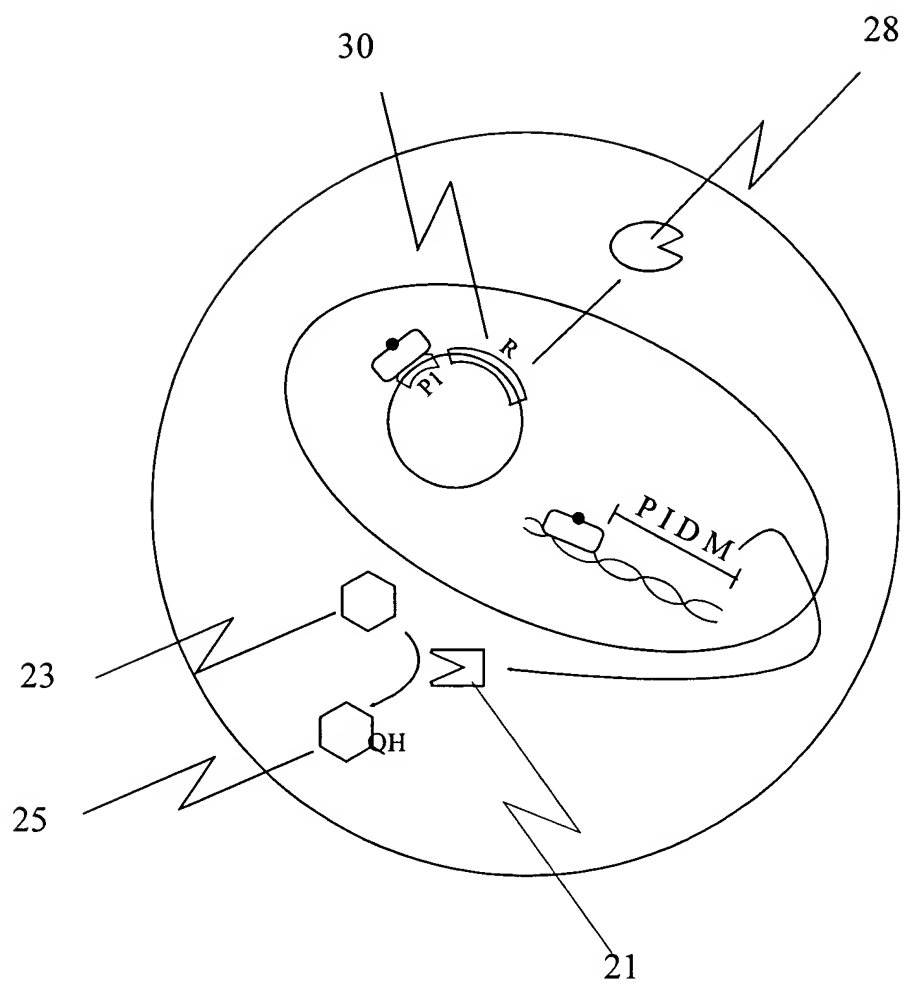


FIG. 1C

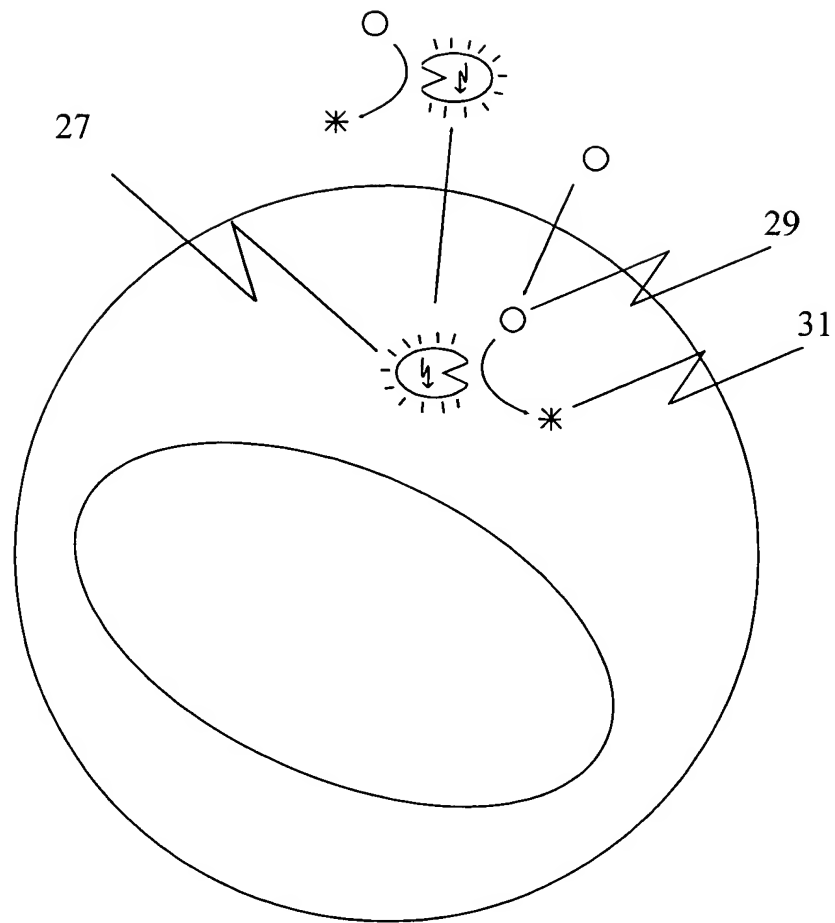
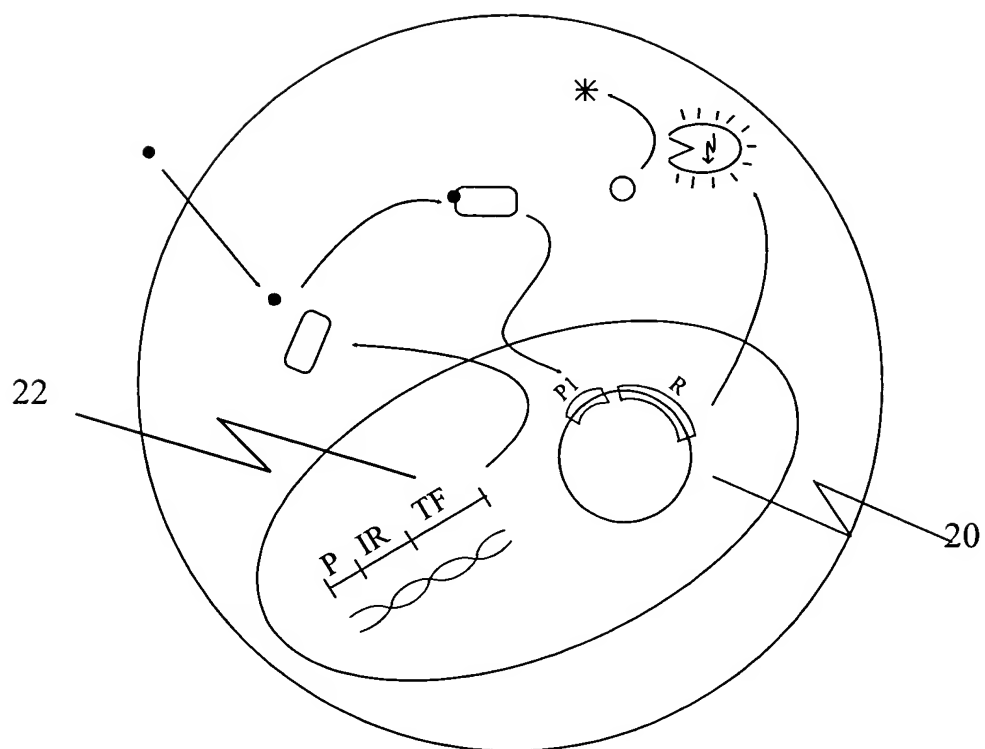


FIG. 1D



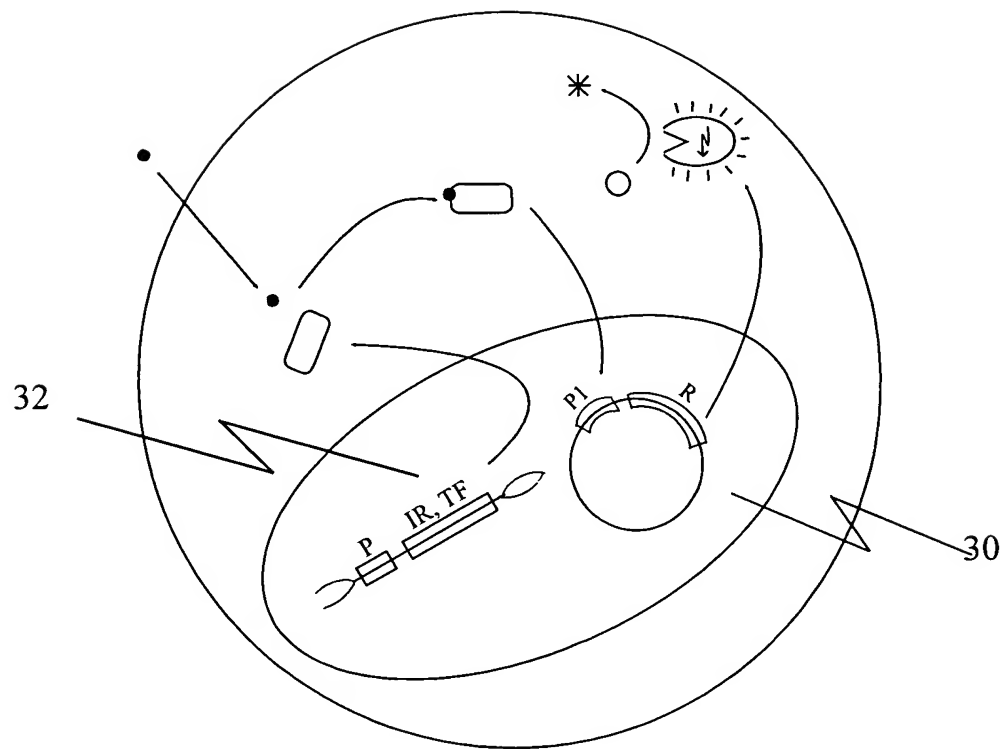


FIG. 3

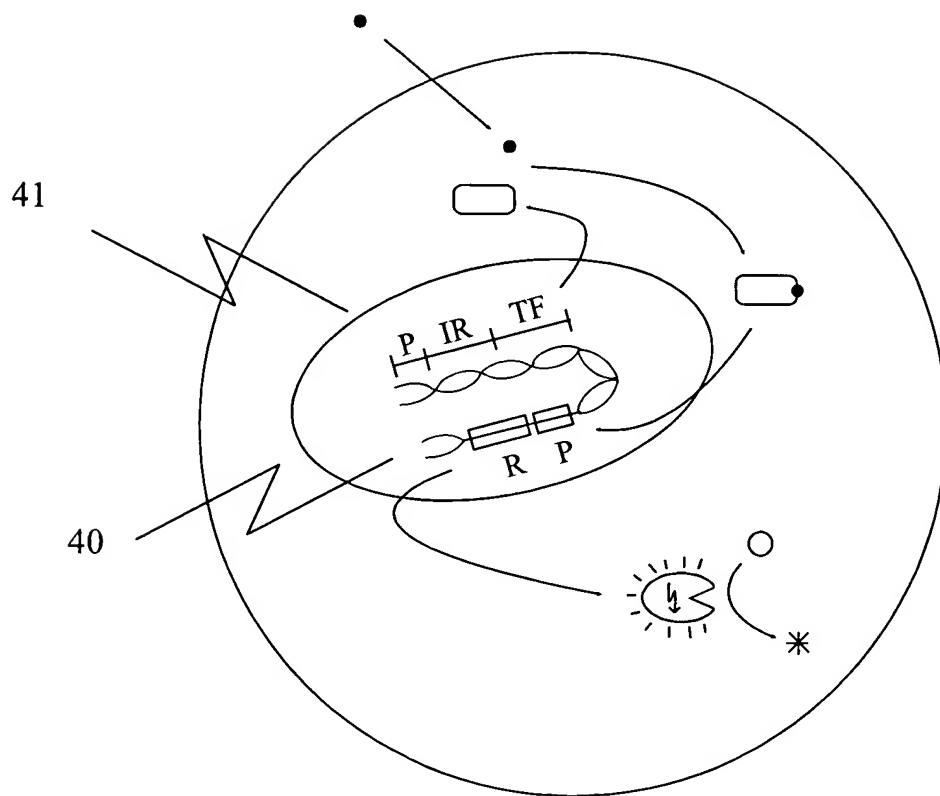


FIG. 4

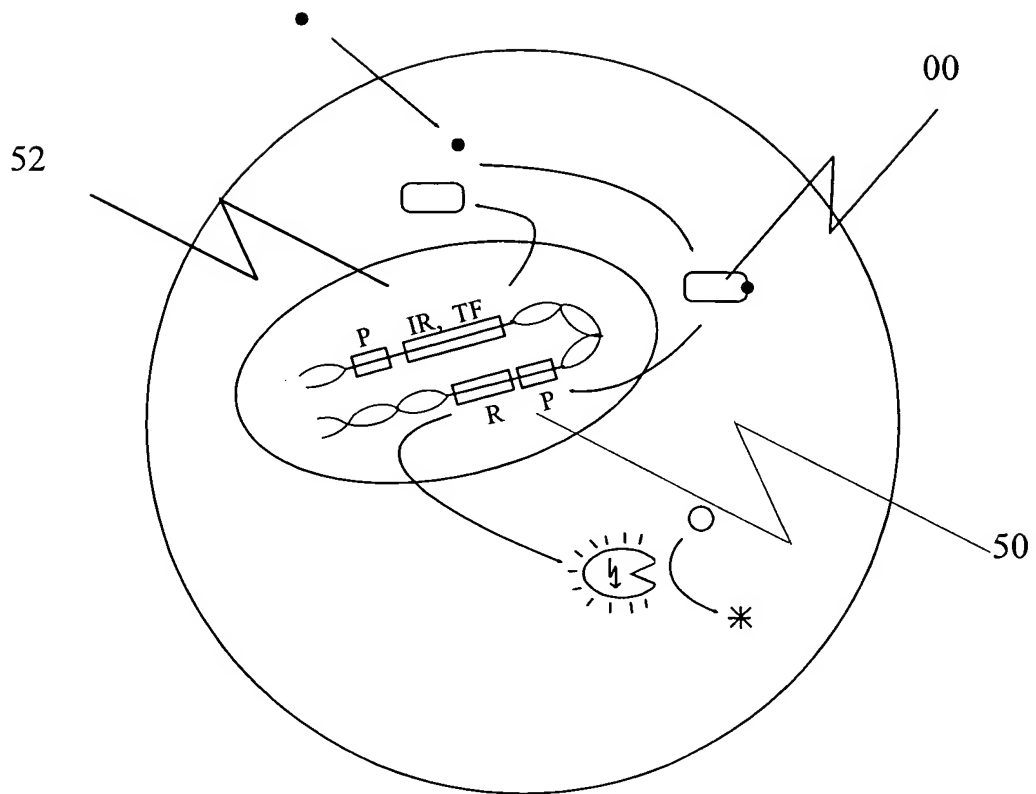


FIG. 5

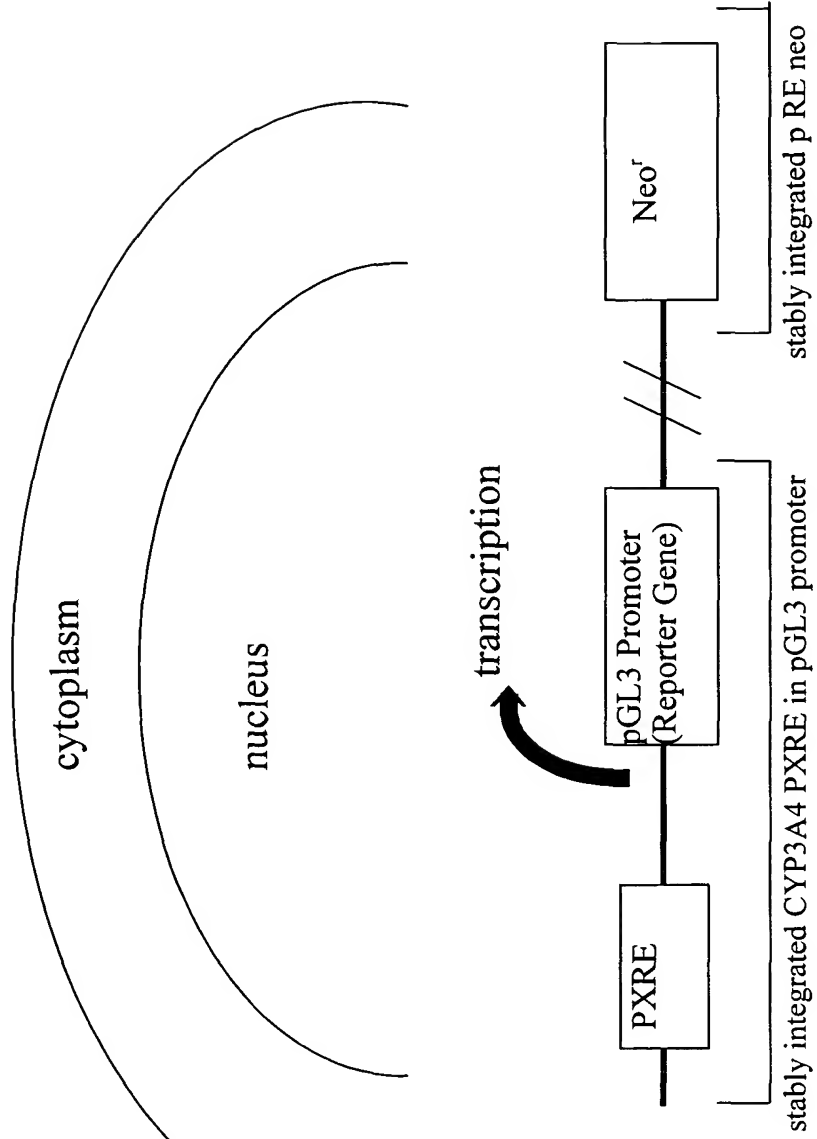


FIG. 6

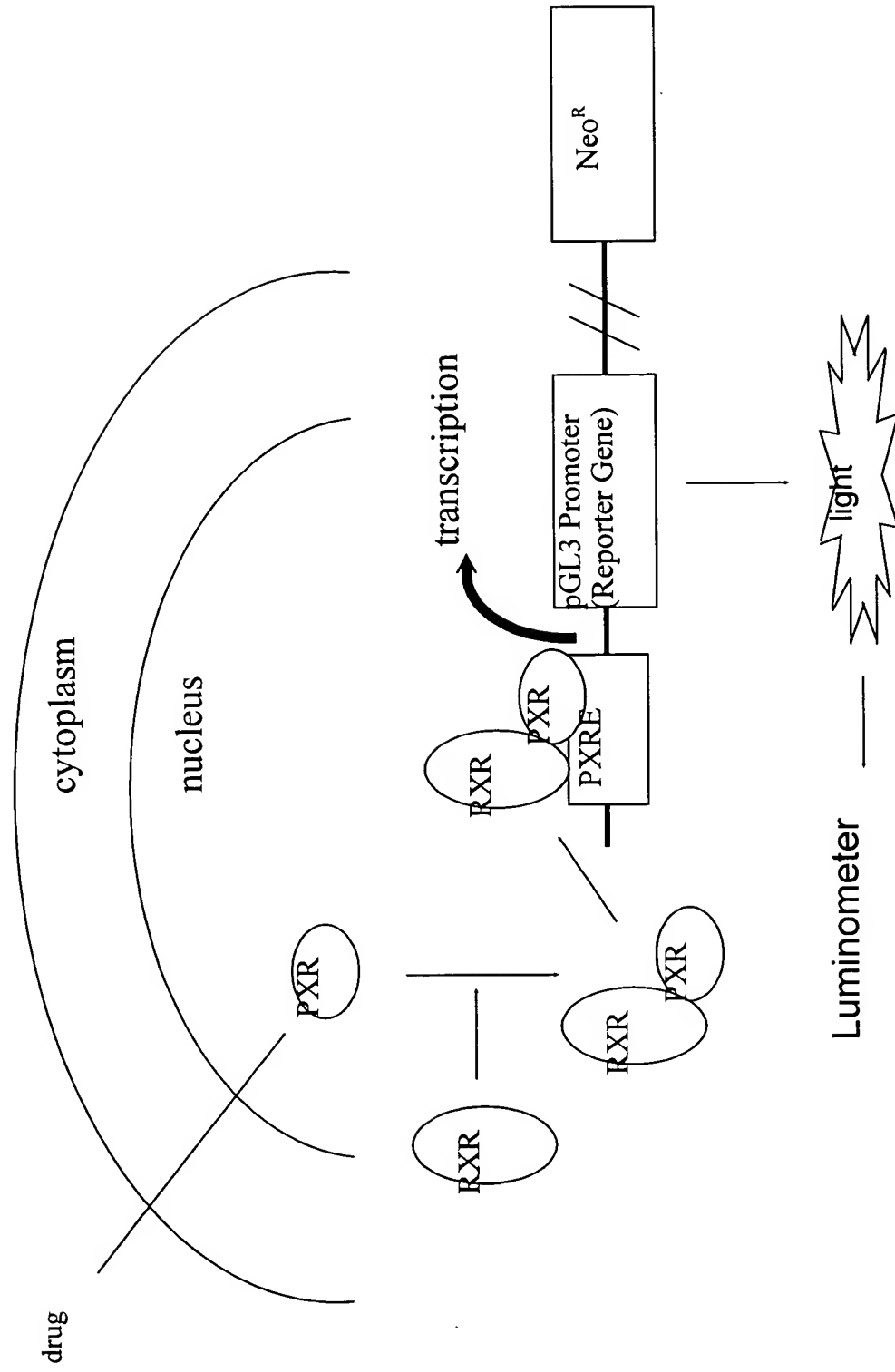


FIG. 7

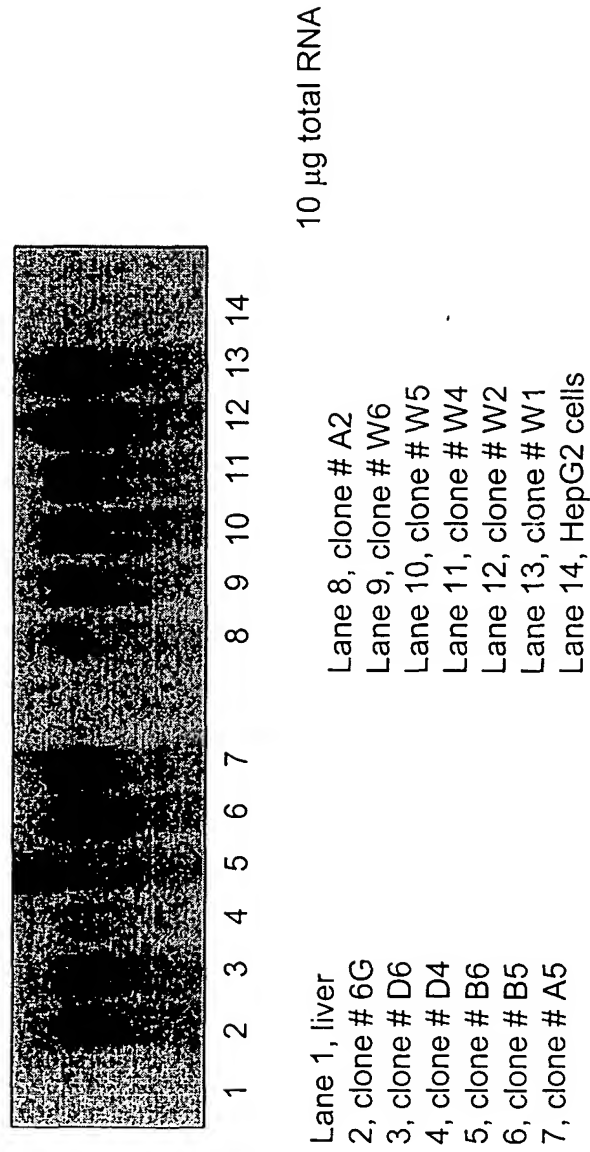


FIG. 8

Clone #13 (no PXR)

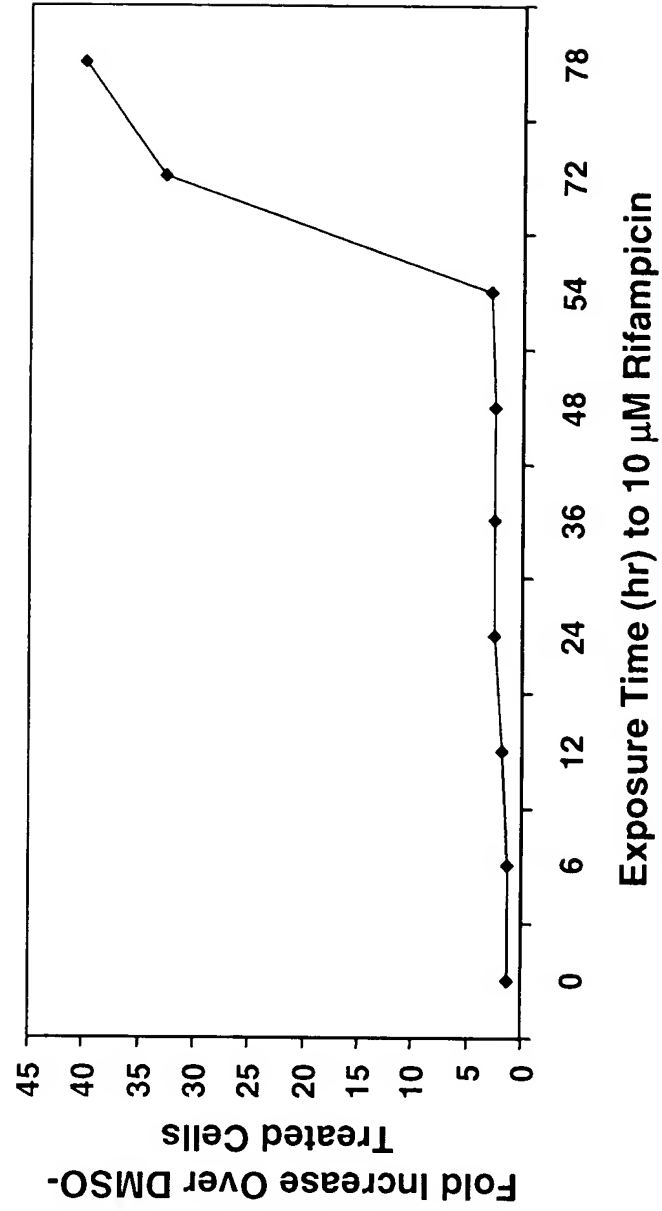


FIG. 9

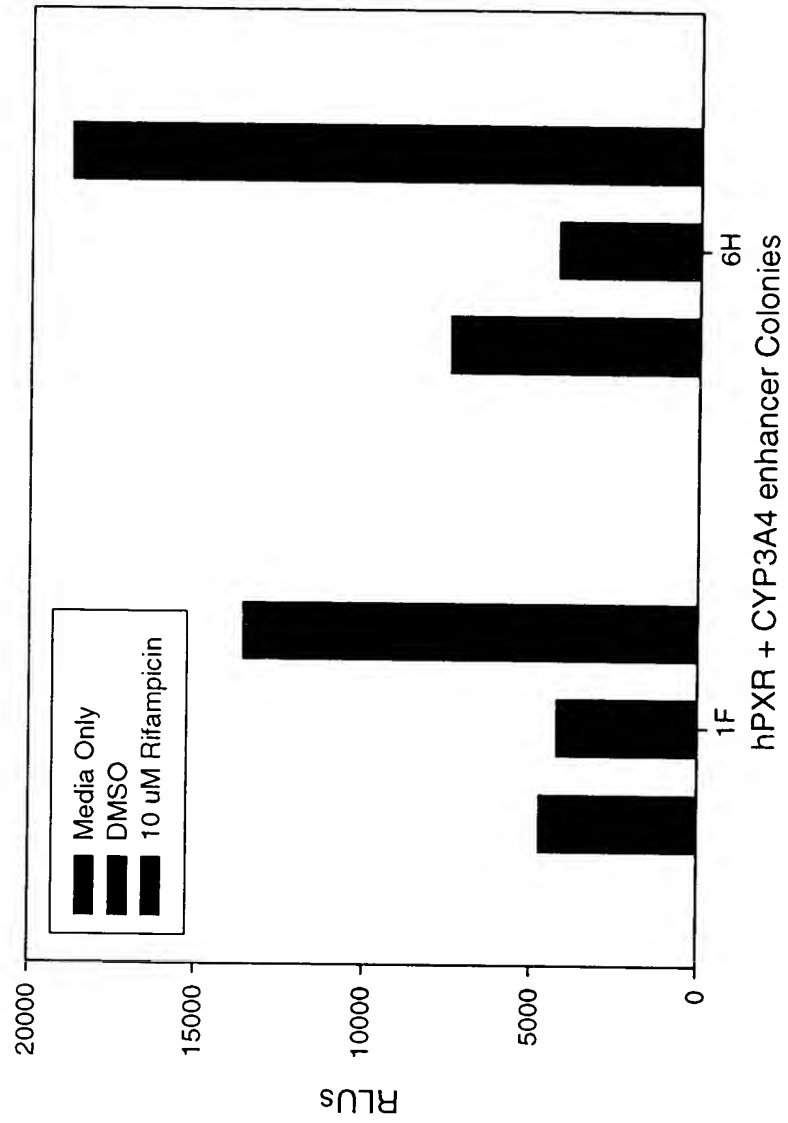


FIG. 10

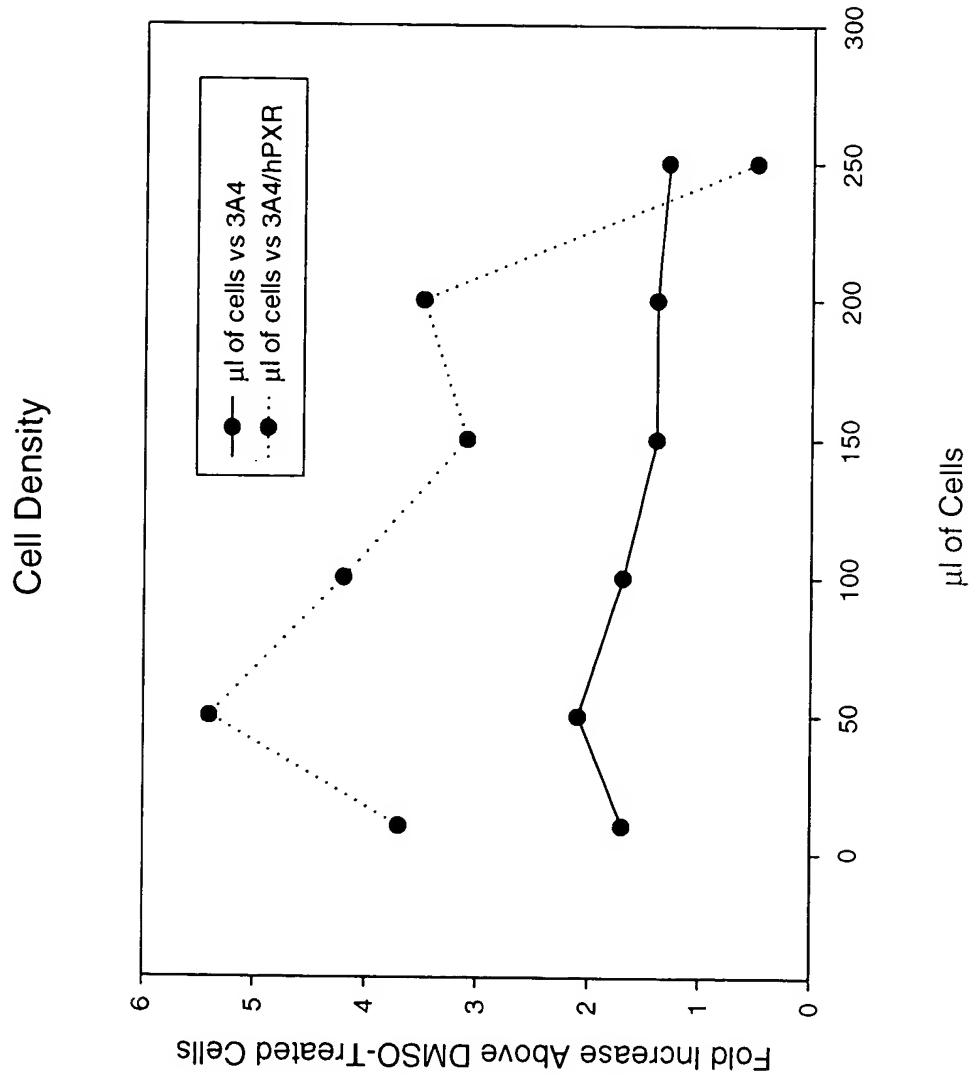


FIG. 11

Effect of Serum, DMSO, and Rifampicin on Luciferase Activity

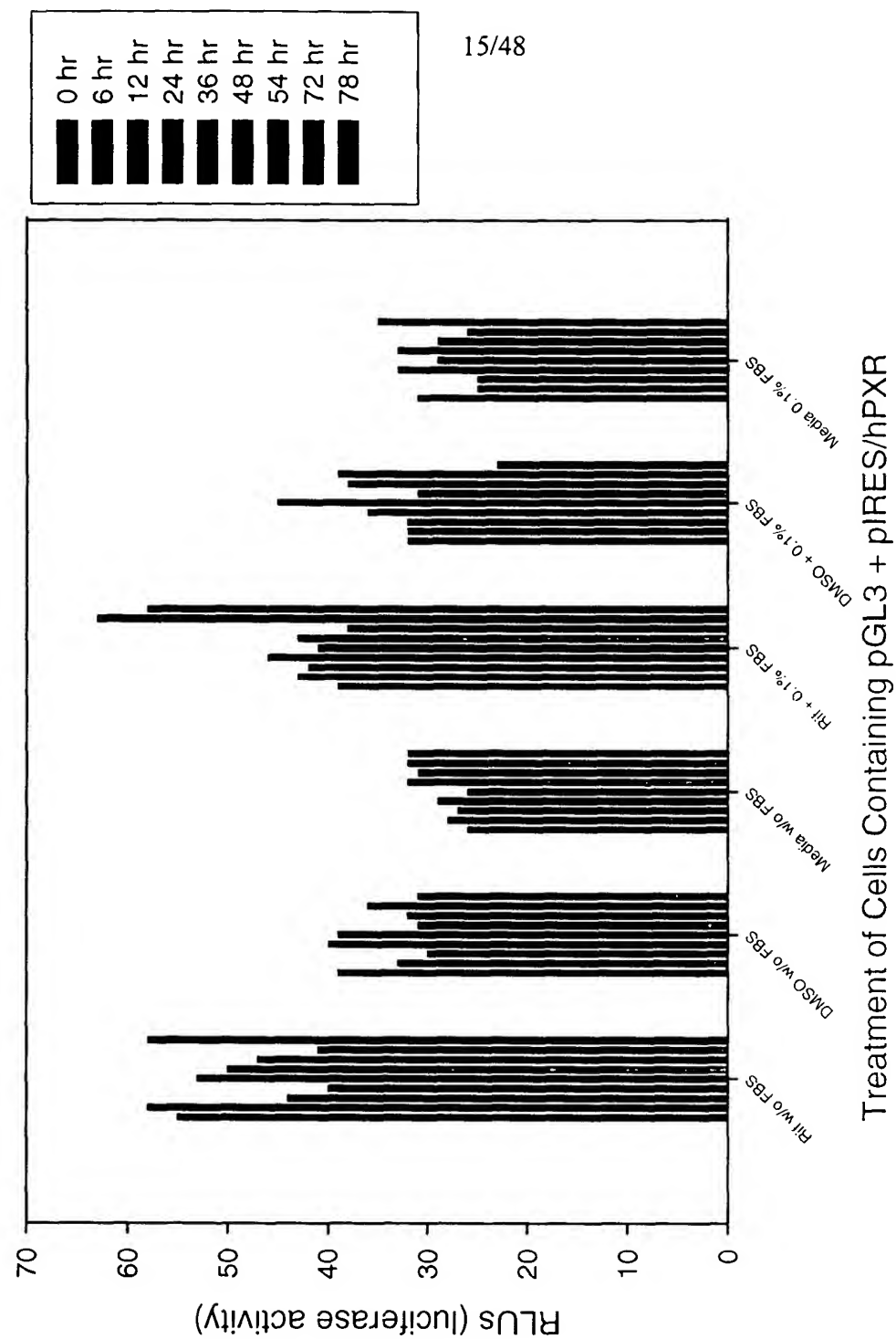
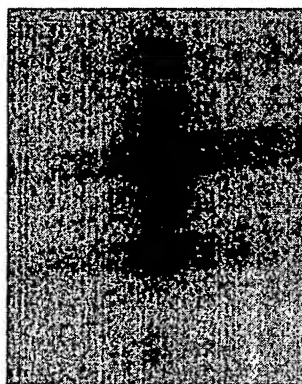


FIG. 12

Human Hepatocytes # 899
10 μ g RNA per well



1 2 3 4 5 6 7

Lane 1, DMSO with 0.1 μ M DEX
Lane 2, DMSO no DEX
Lane 3, 10 μ M DEX
Lane 4, 1 mM Phenobarbital
Lane 5, 10 μ M Rifampicin
Lane 6, 10 μ M Clotrimazole
Lane 7, 10 μ M RU486

FIG. 13

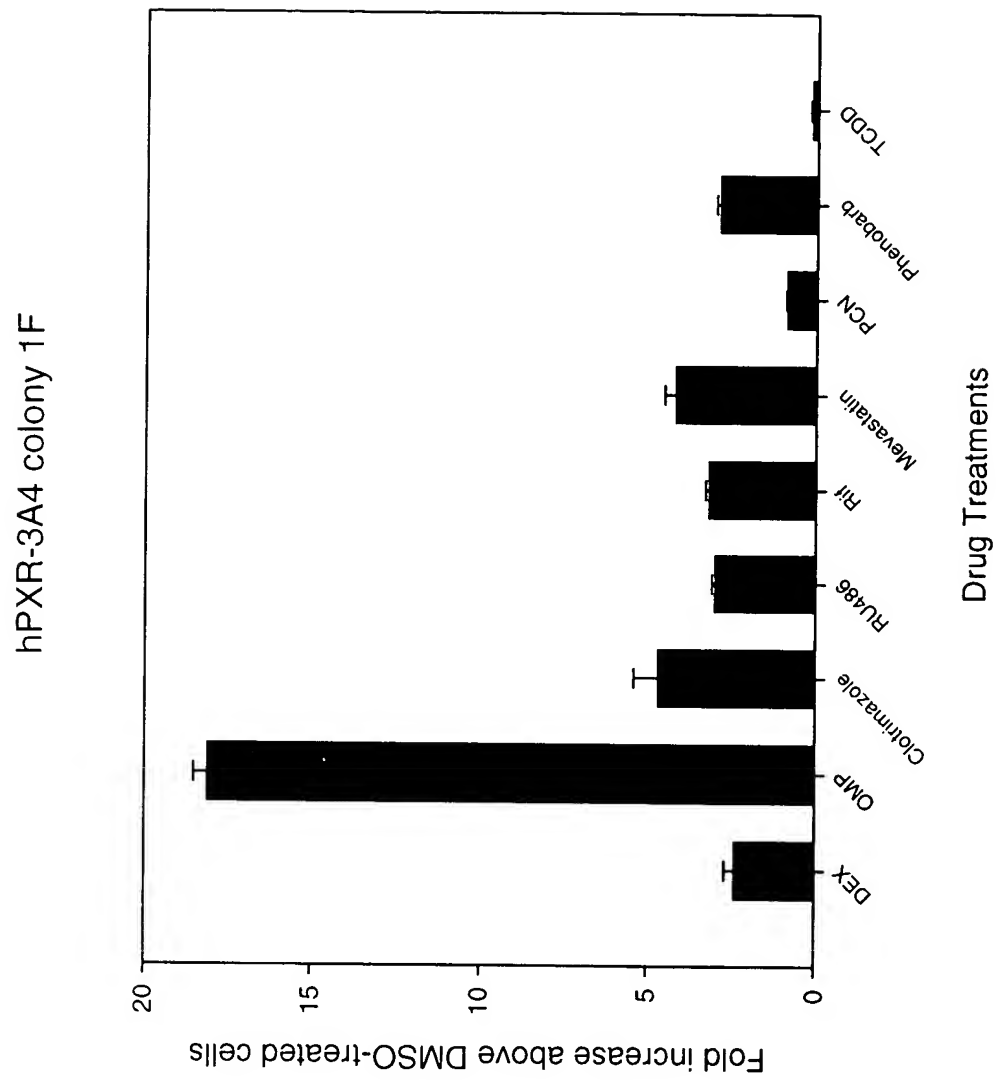


FIG. 14

3A4 Colony 13

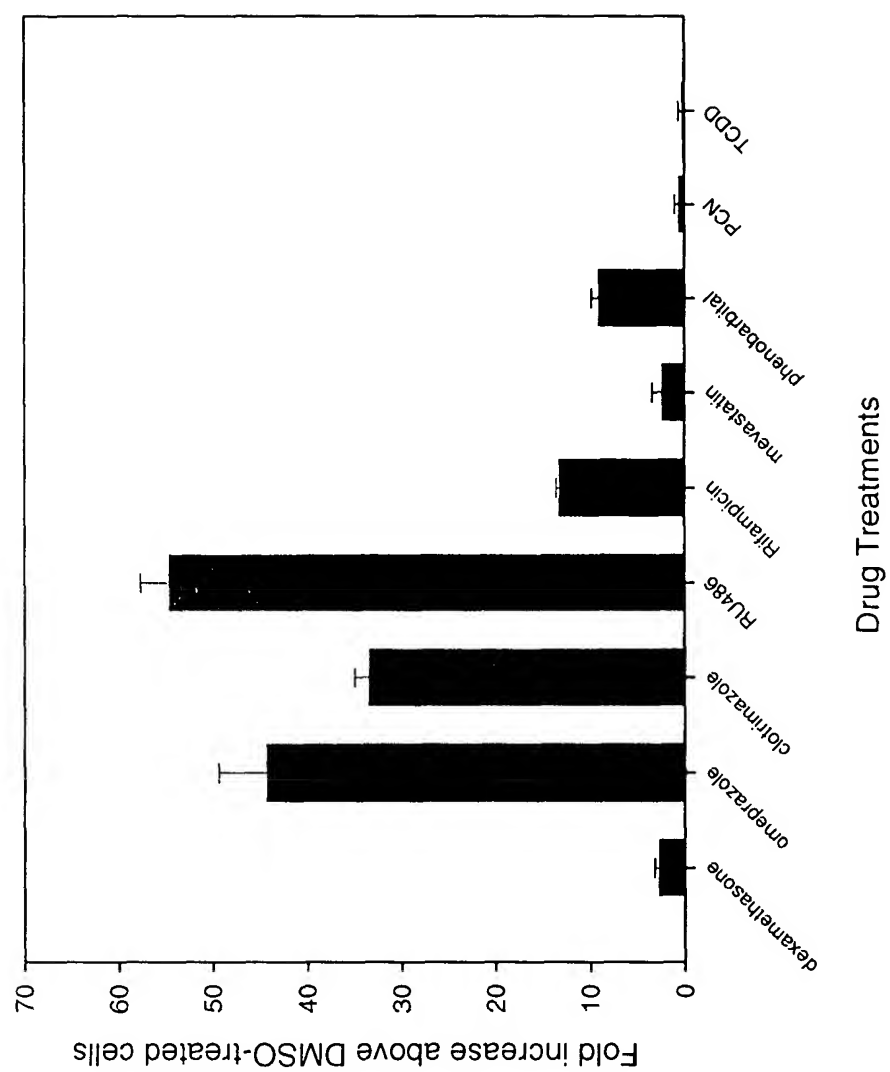


FIG. 15

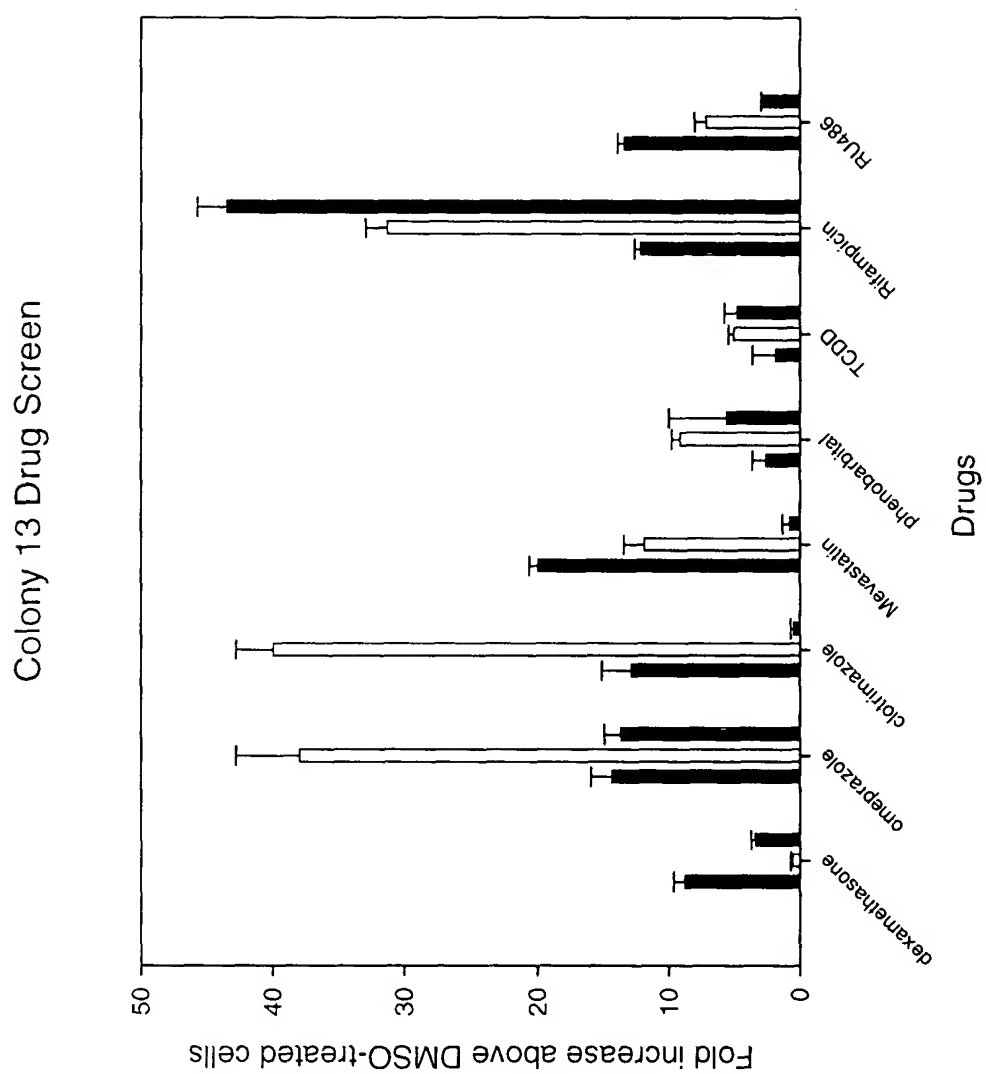


FIG. 16

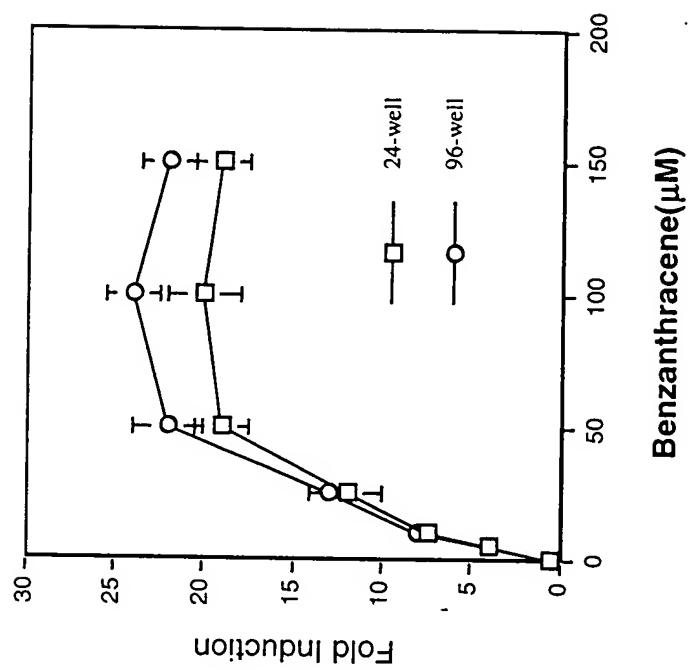


FIG. 17

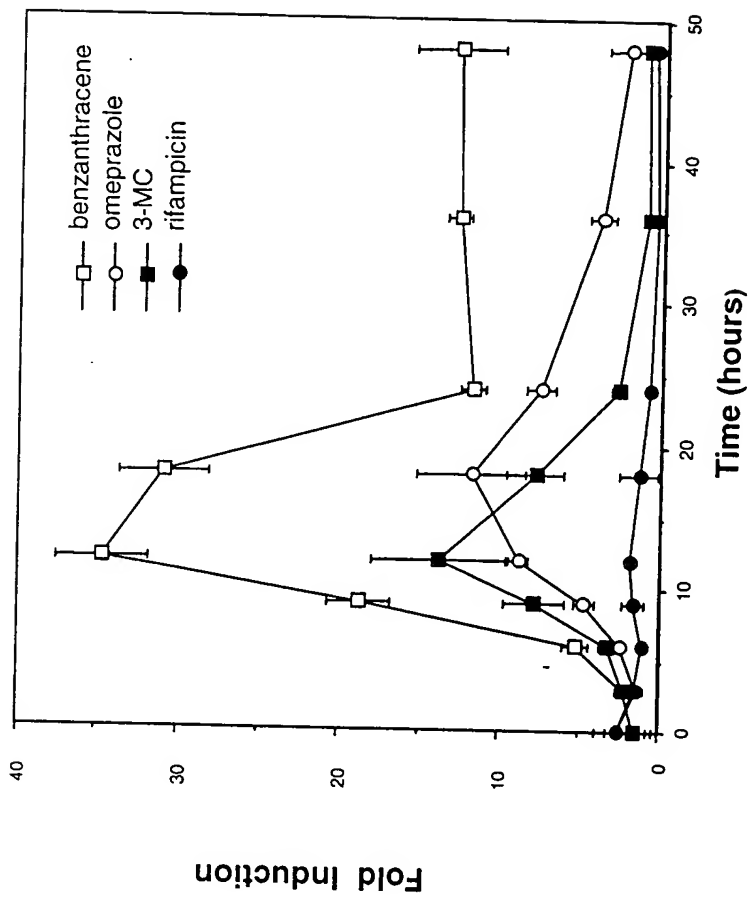
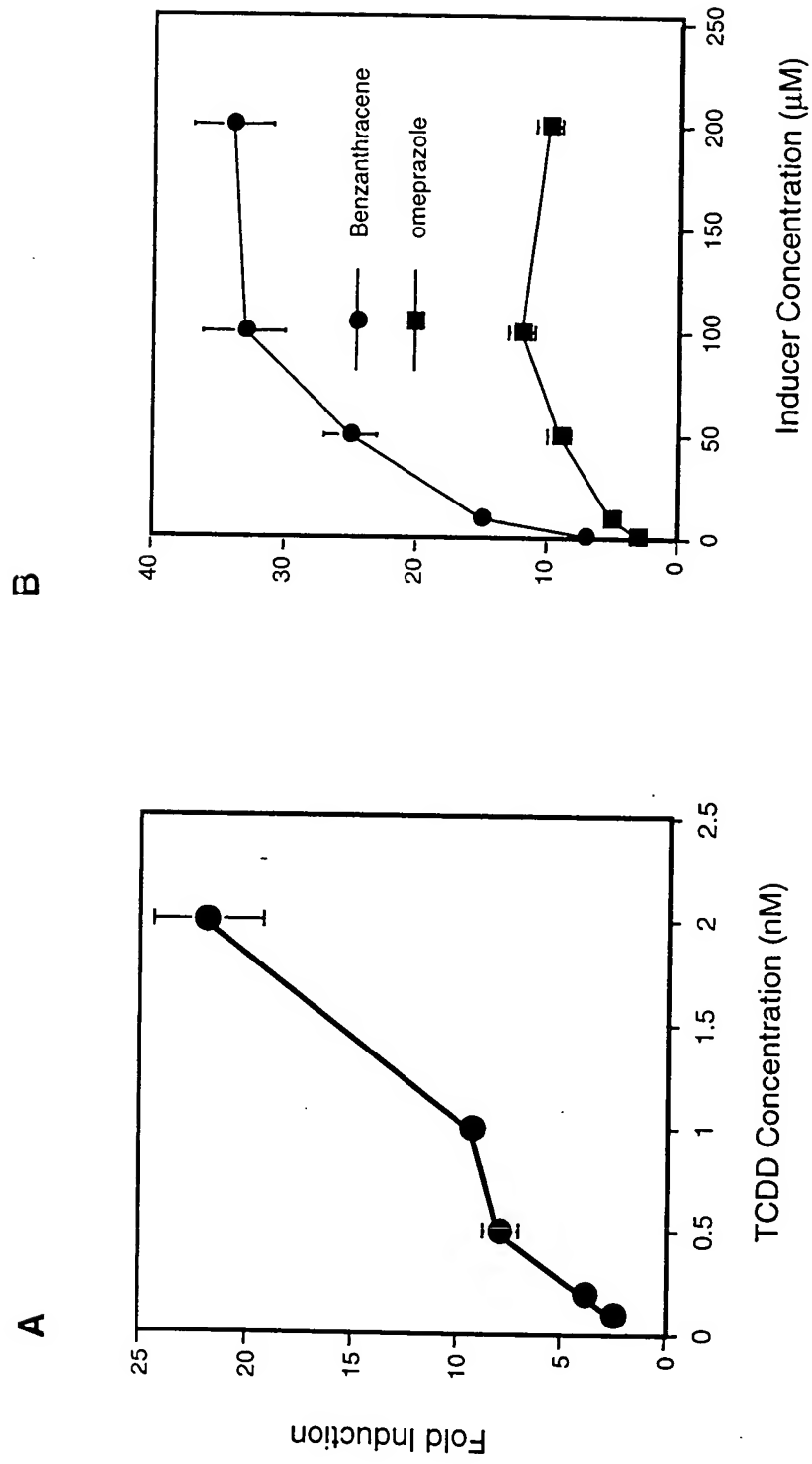


FIG. 18

**FIG. 19**

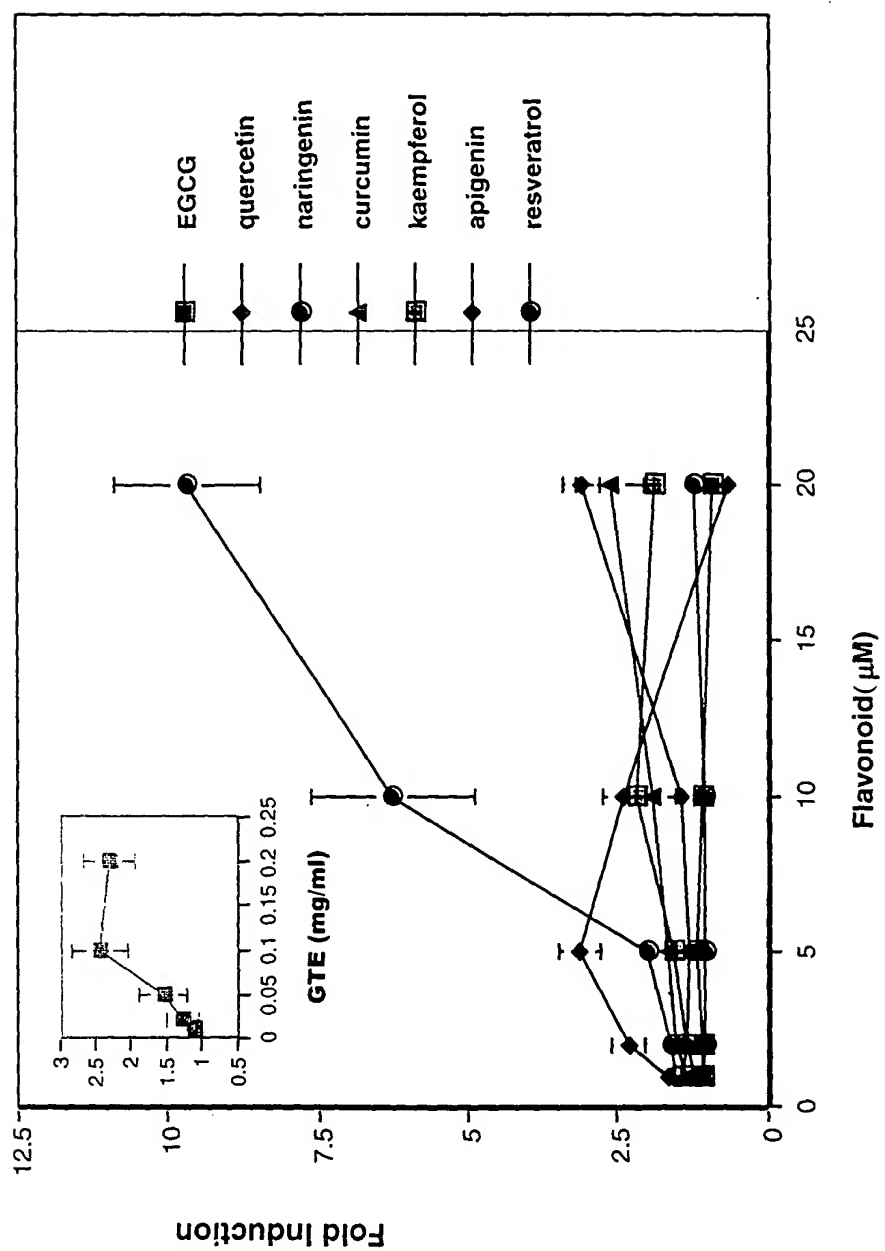


FIG. 20

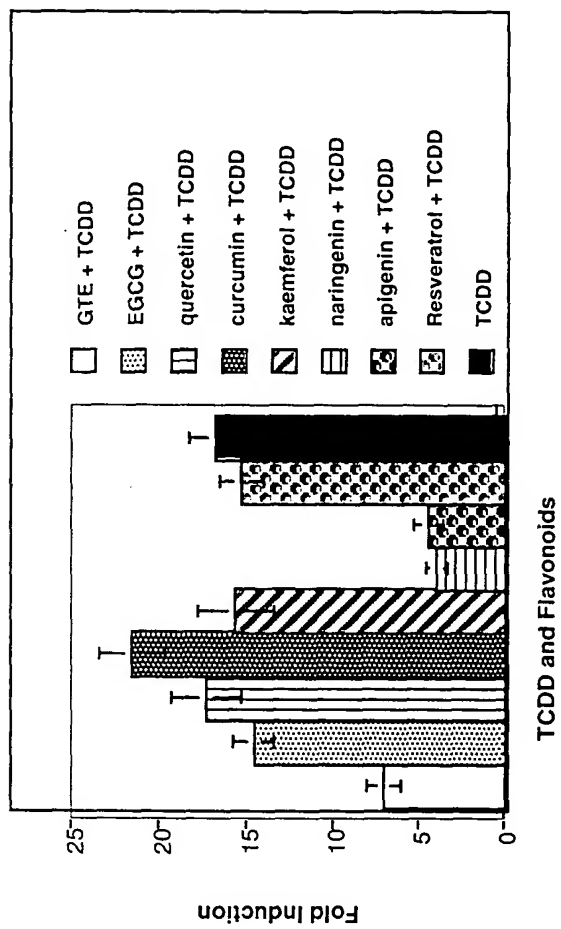


FIG. 21

FIG. 22

NR1

CYP2C19	-1895 AACCAAACTCTTCTTGACCCCAATCT	SEQ ID NO. 15
CYP2C9	-2900 AATGAACCCTATCATAAACTATGAG	SEQ ID NO. 35
CYP2B6	-1683 CCTGTACTTTCC.TGACCCCTGAA	SEQ ID NO. 36
CYP3A4	-7734 AATGAACCTTGC..TGACCCCTCTG	SEQ ID NO. 37

FIG. 23

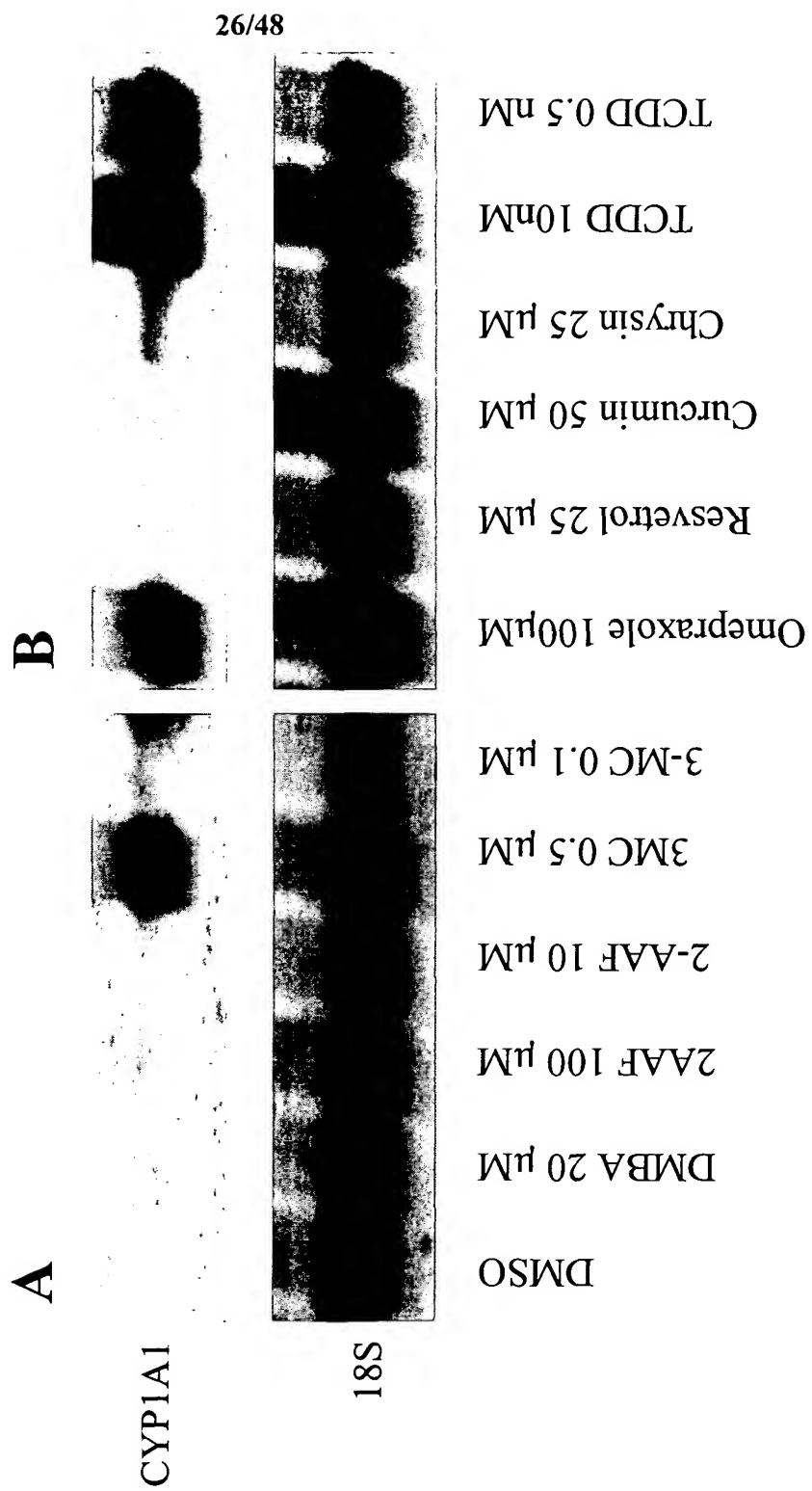
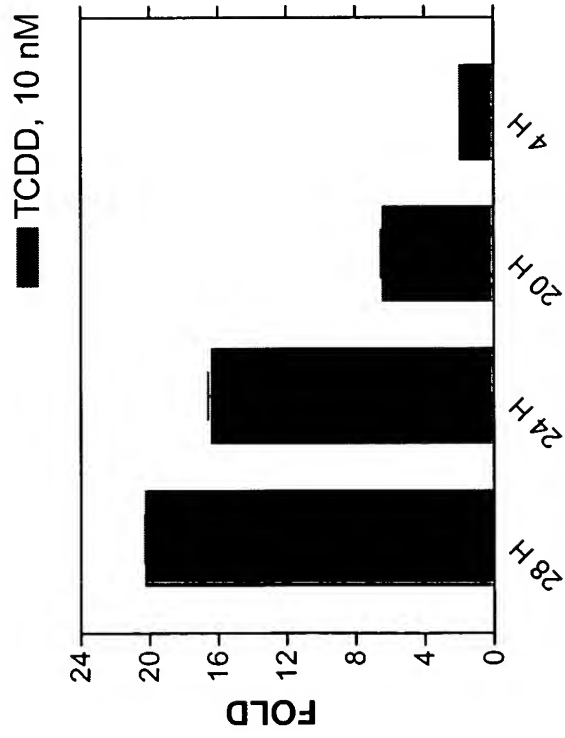


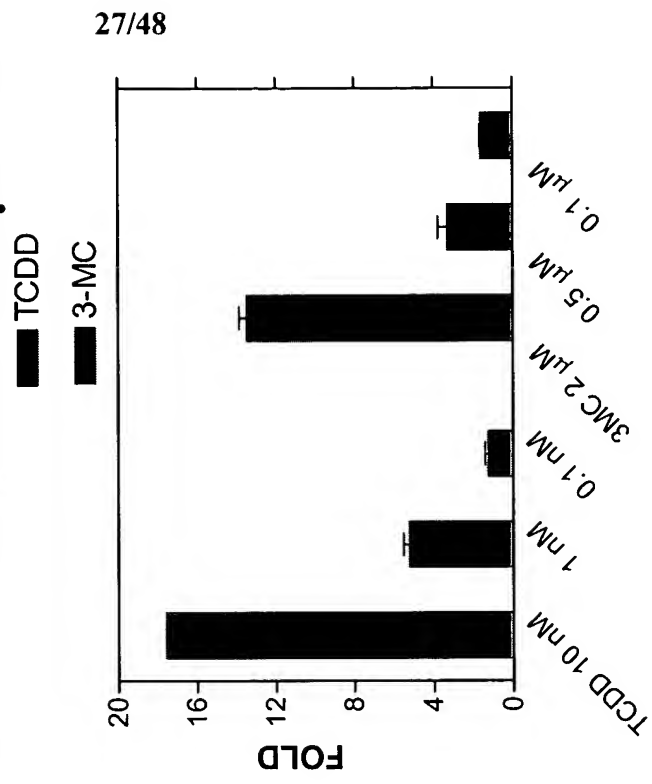
FIG. 24

A

DRE 12-6/Time Course DRE 12-6/Dose Response

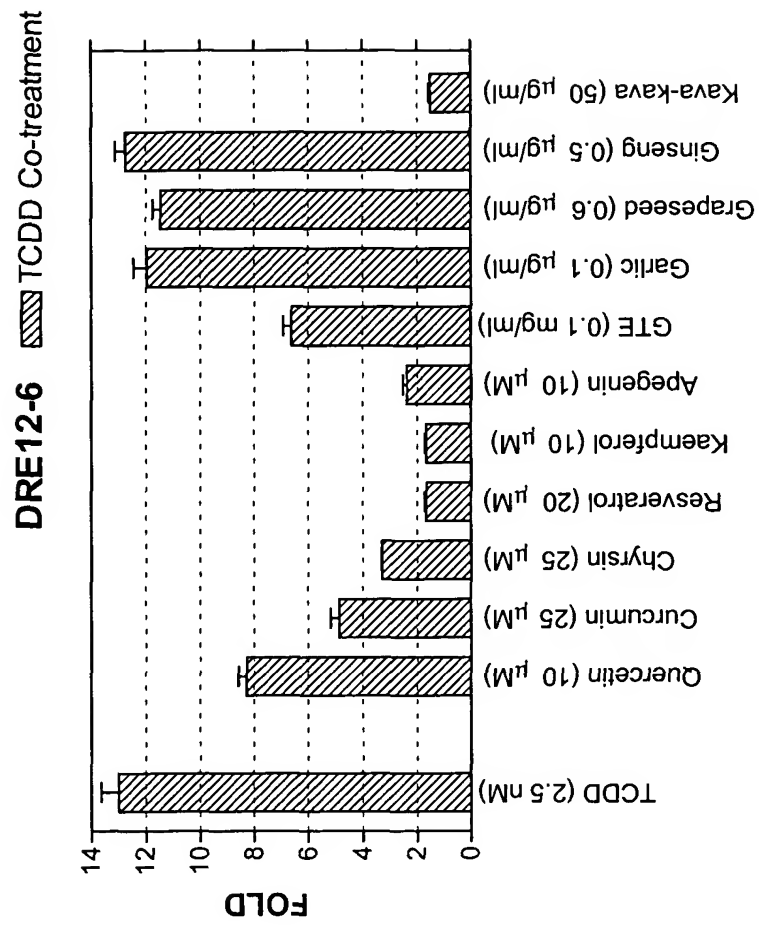


B



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FIG. 25A



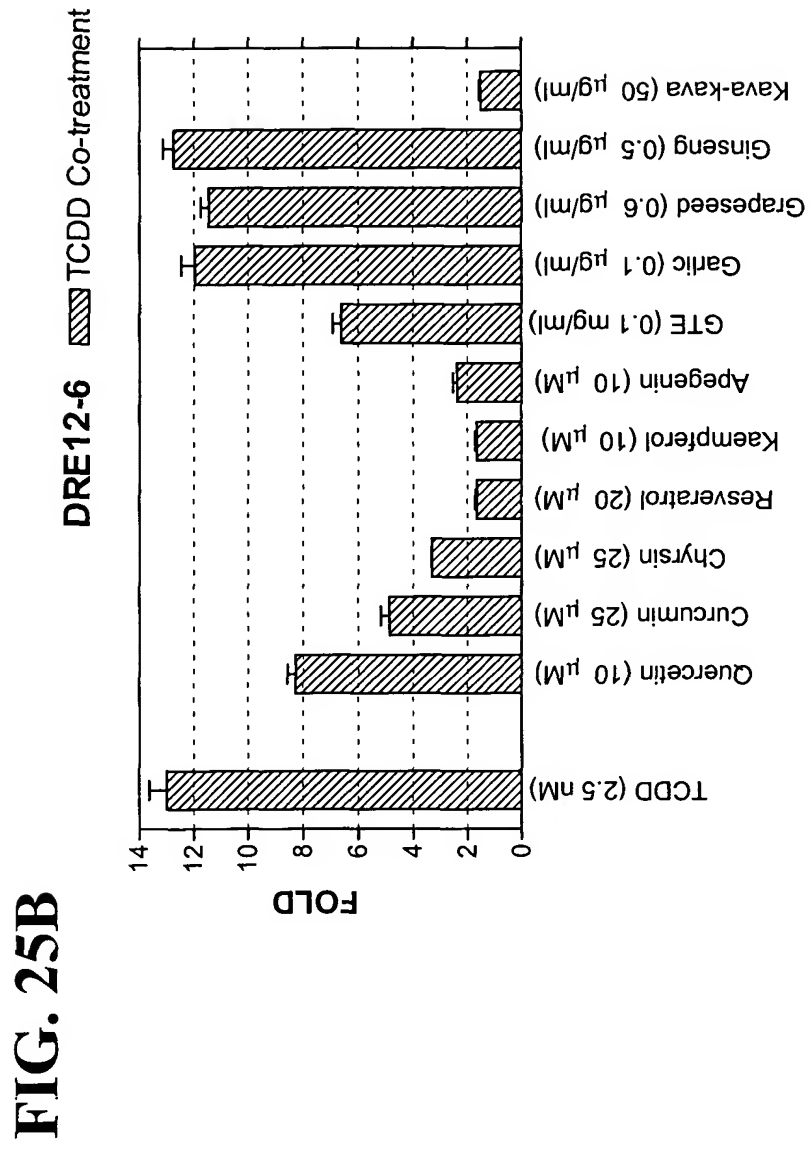


FIG. 26A

DRE12-6

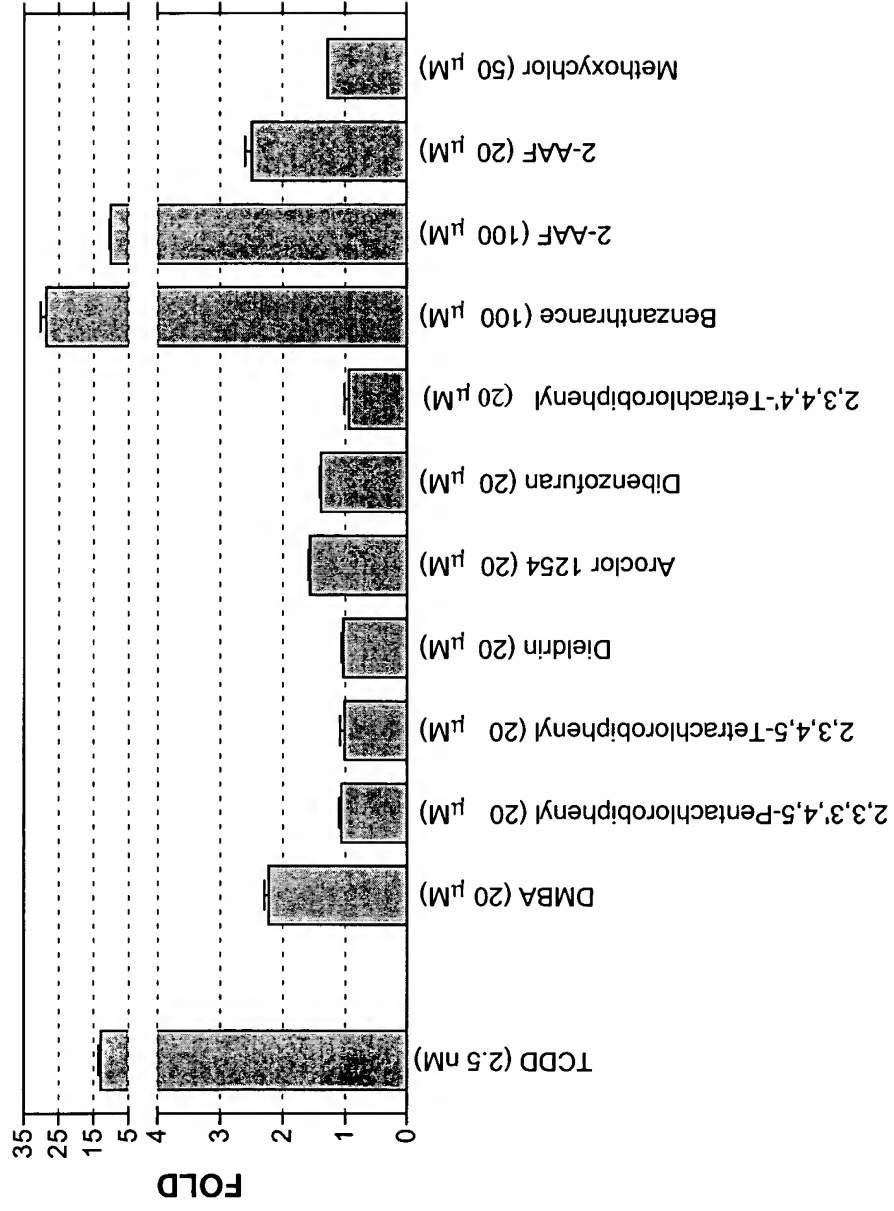


FIG. 26B

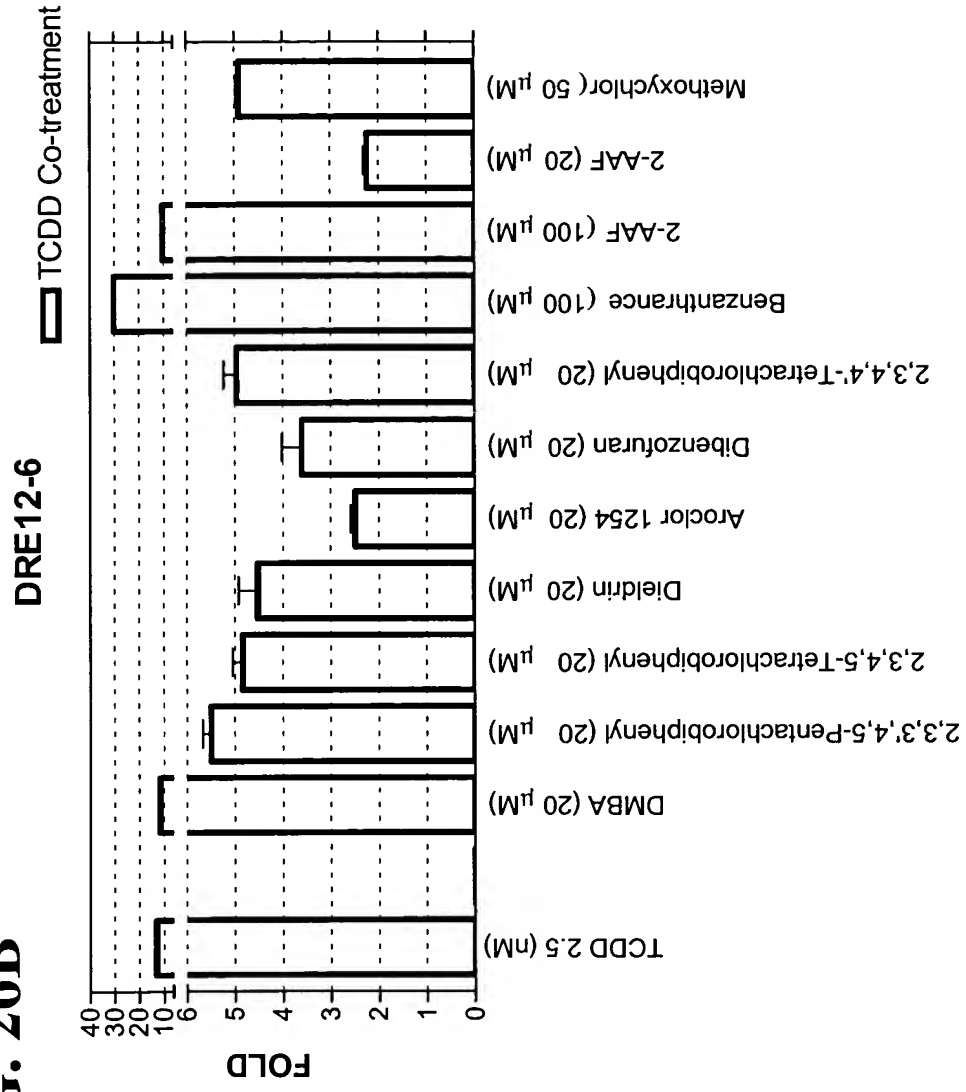
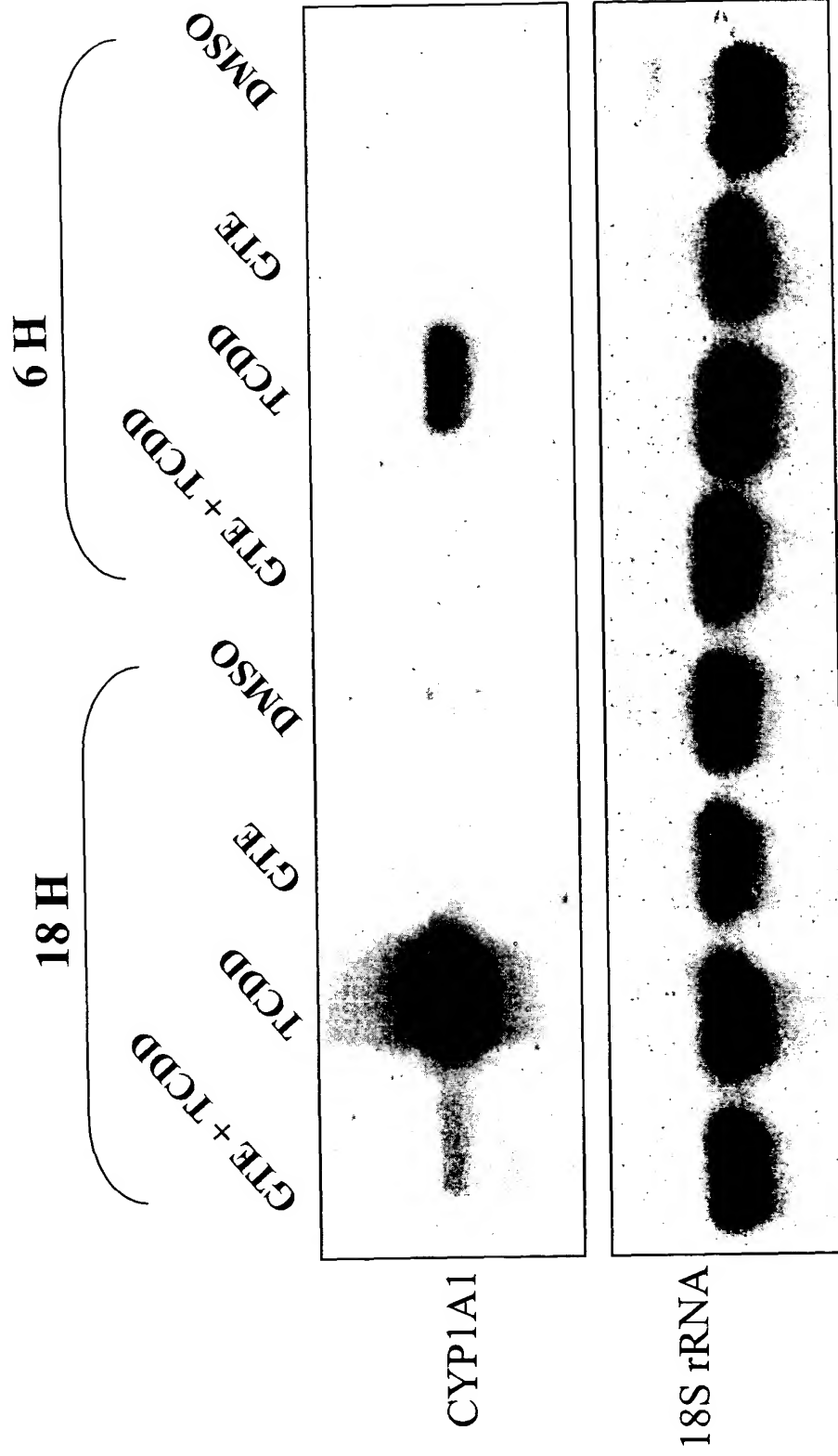
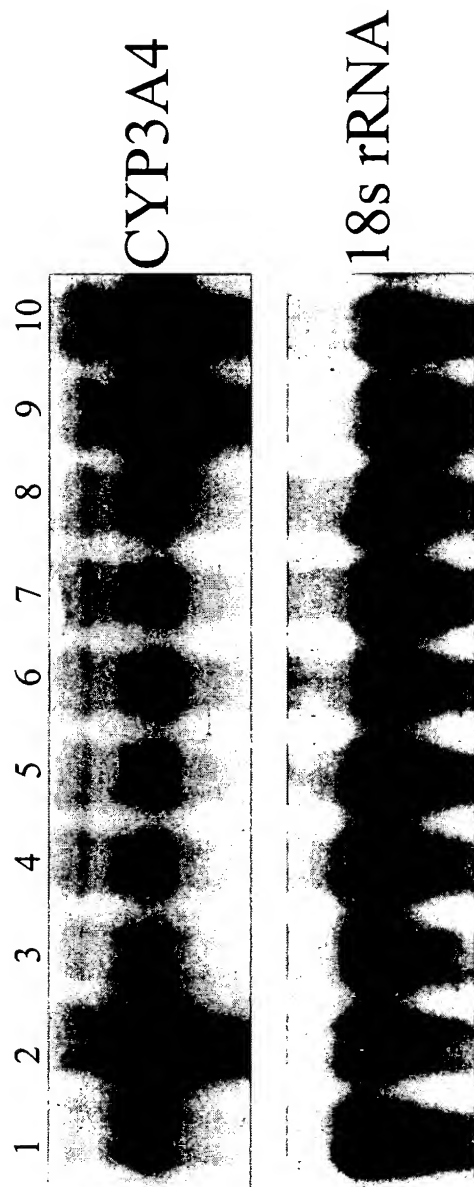


FIG. 27

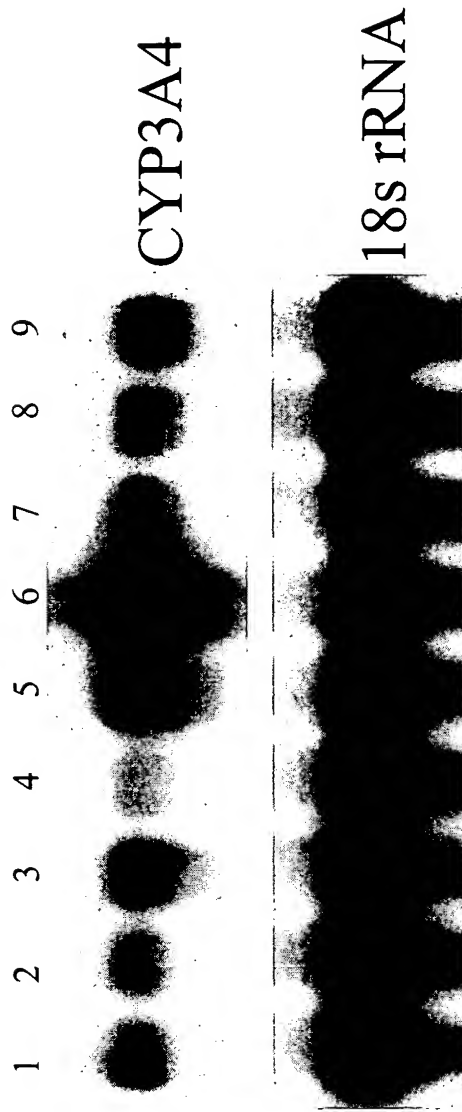




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1. DMSO
2. Rif 10 μ M
3. Apigenin 10 μ M
4. Resveratrol 5 μ M
5. Curcumin 5 μ M
6. Quercetin 10 μ M
7. BNF 1 μ M
8. BNF 10 μ M
9. Omeprazole 100 μ M
10. Phenobarbital 1000 μ M

FIG. 28A

**FIG. 28B**

1. 3.1 ug/ml grapeseed extract
2. 31 ug/ml grapeseed extract
3. 10 ug/ml garlic
4. 100 ug/ml garlic
5. 10 ug kava-kava
6. 100 ug kava-kava
7. 10 ug/ml ginseng
8. 100 ug/ml ginseng
9. DMSO

FIG. 29

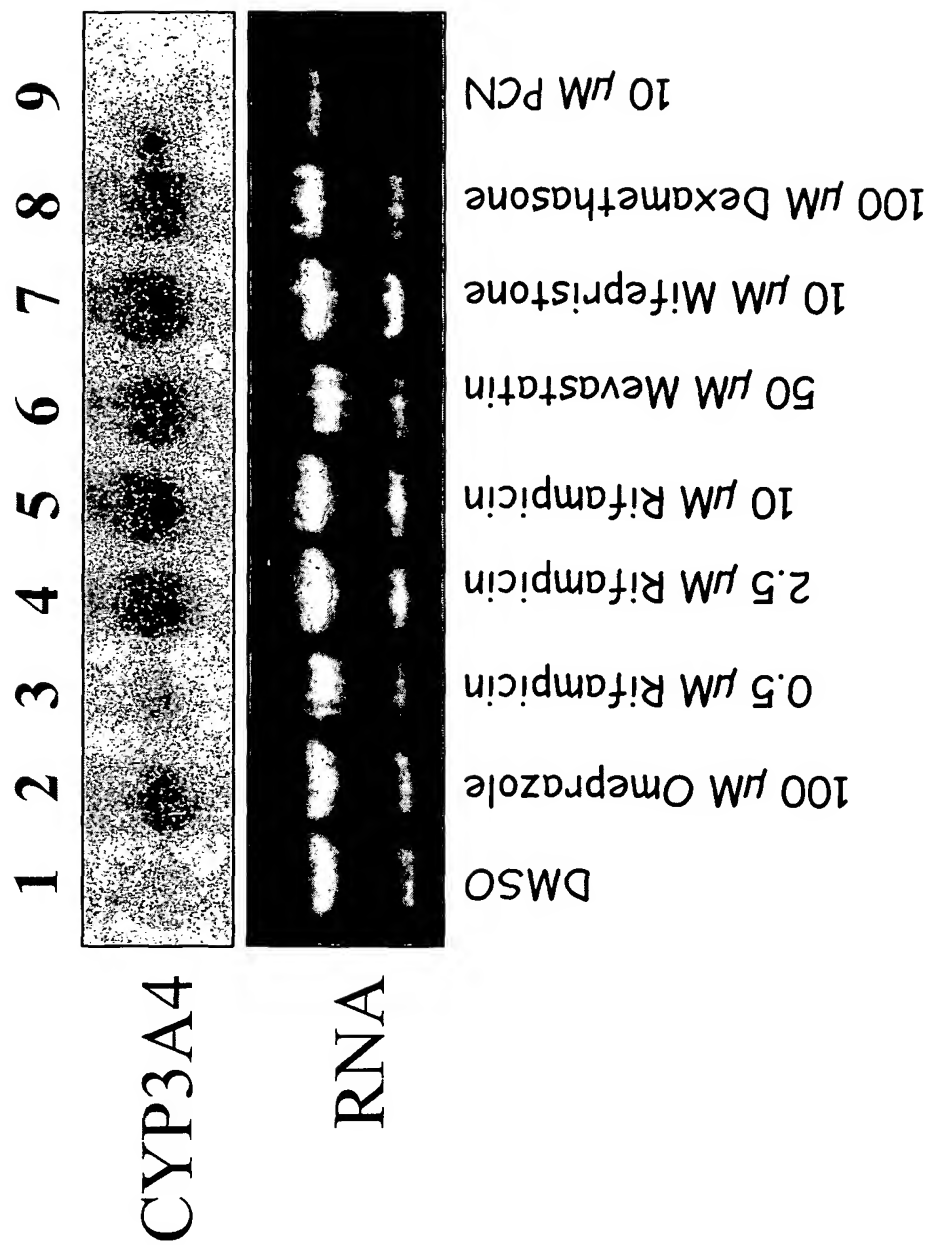


FIG. 30A

DPX-2

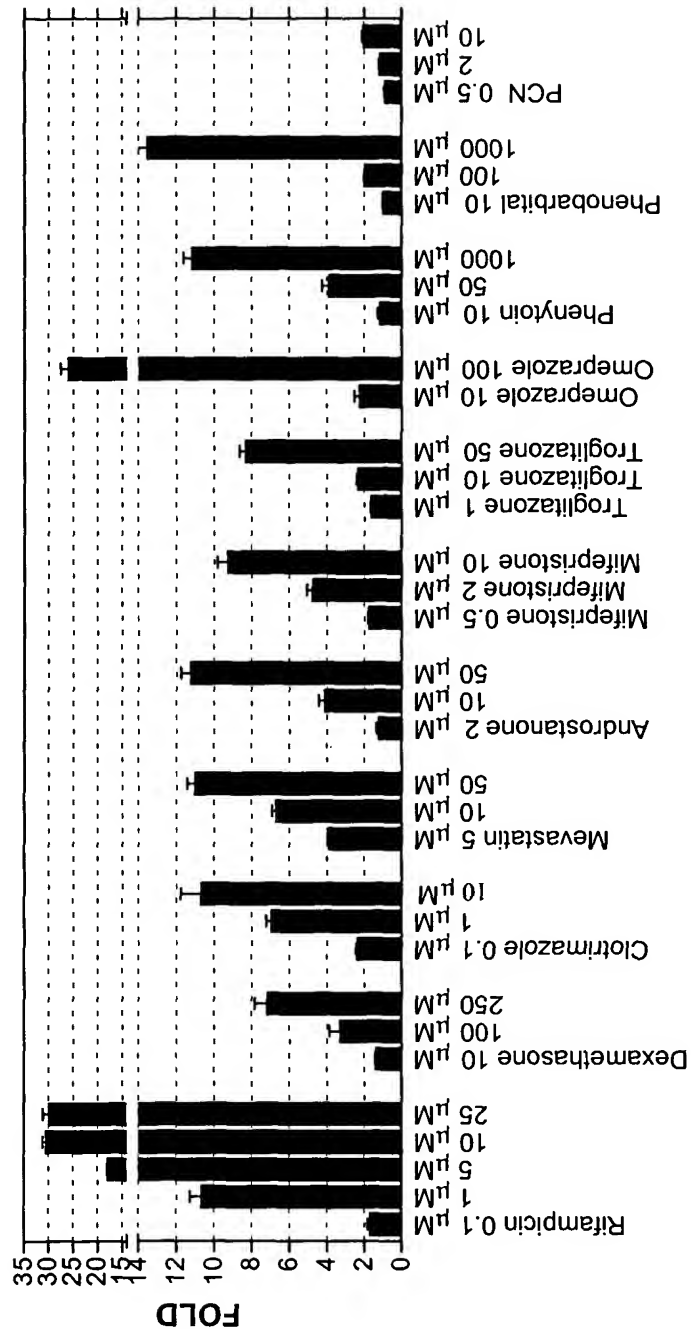


FIG. 30C

DPX-2

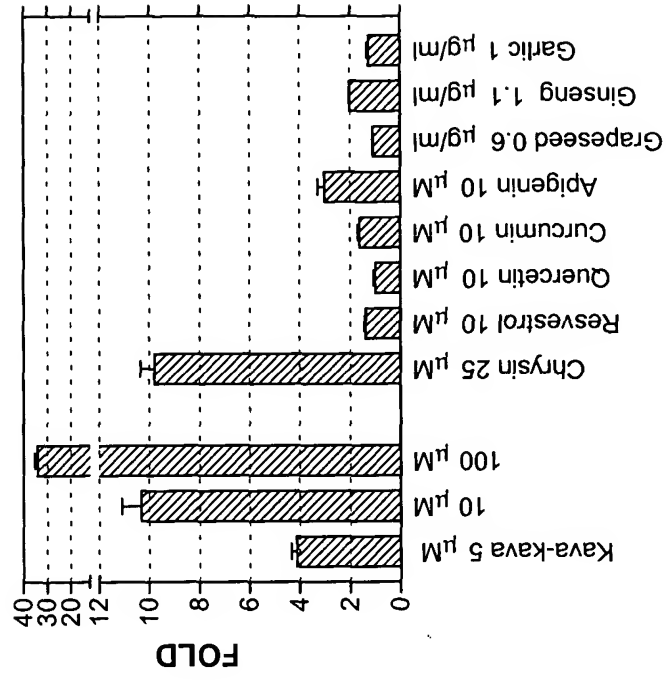


FIG. 30B

DPX-2

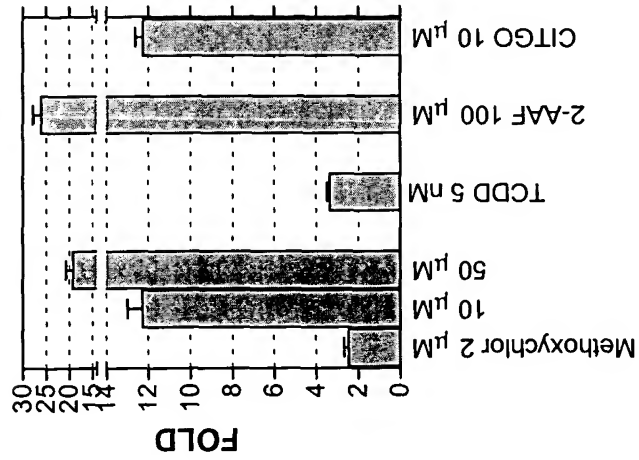


FIG. 31

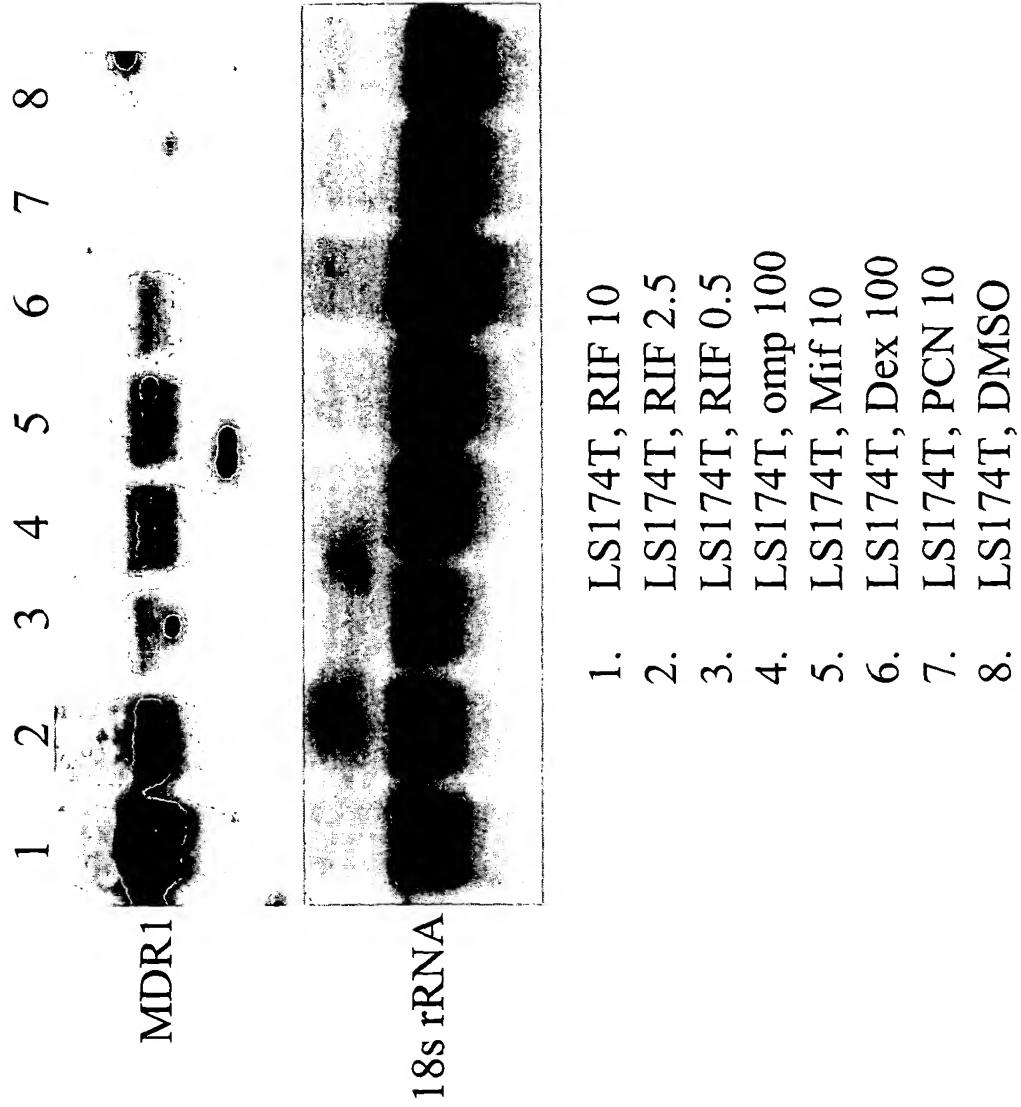


FIG. 32A

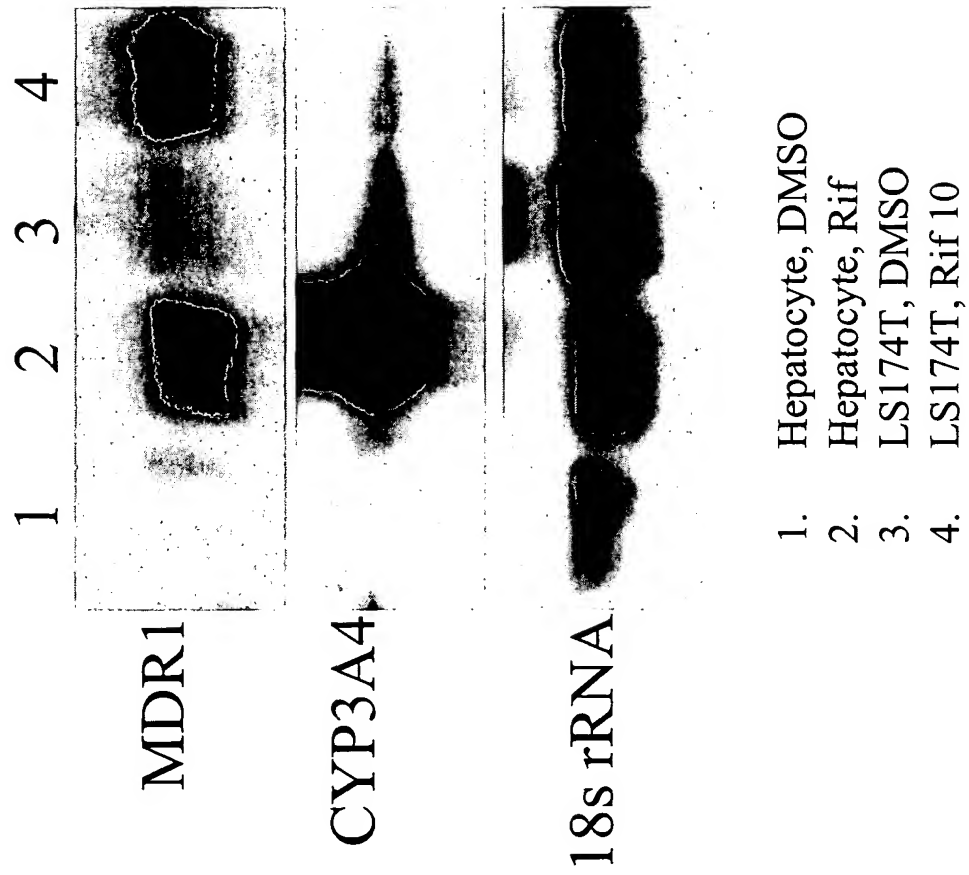
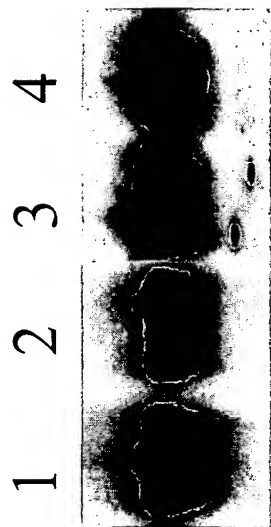
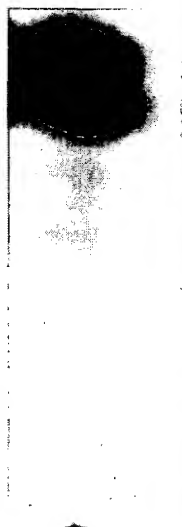


FIG. 32B



MDR1



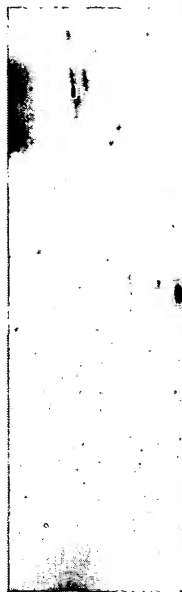
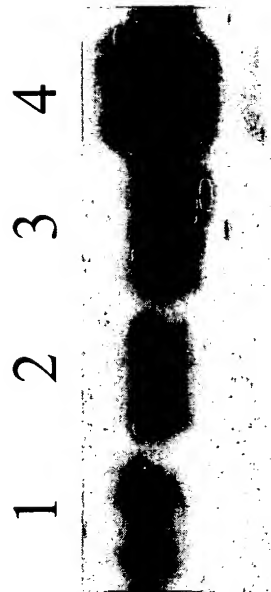
CYP3A4



18S rRNA

1. HepG2, DMSO
2. HepG2, RIF 10
3. HepG2, hPXR DMSO
4. HepG2, hPXR RIF 10

FIG. 32C



1. Caco-2, DMSO
2. Caco-2, RIF 10
3. Caco-2, hPXR, DMSO
4. Caco-2, hPXR, RIF 10

FIG. 33A

RT-PCR for PXR Expression

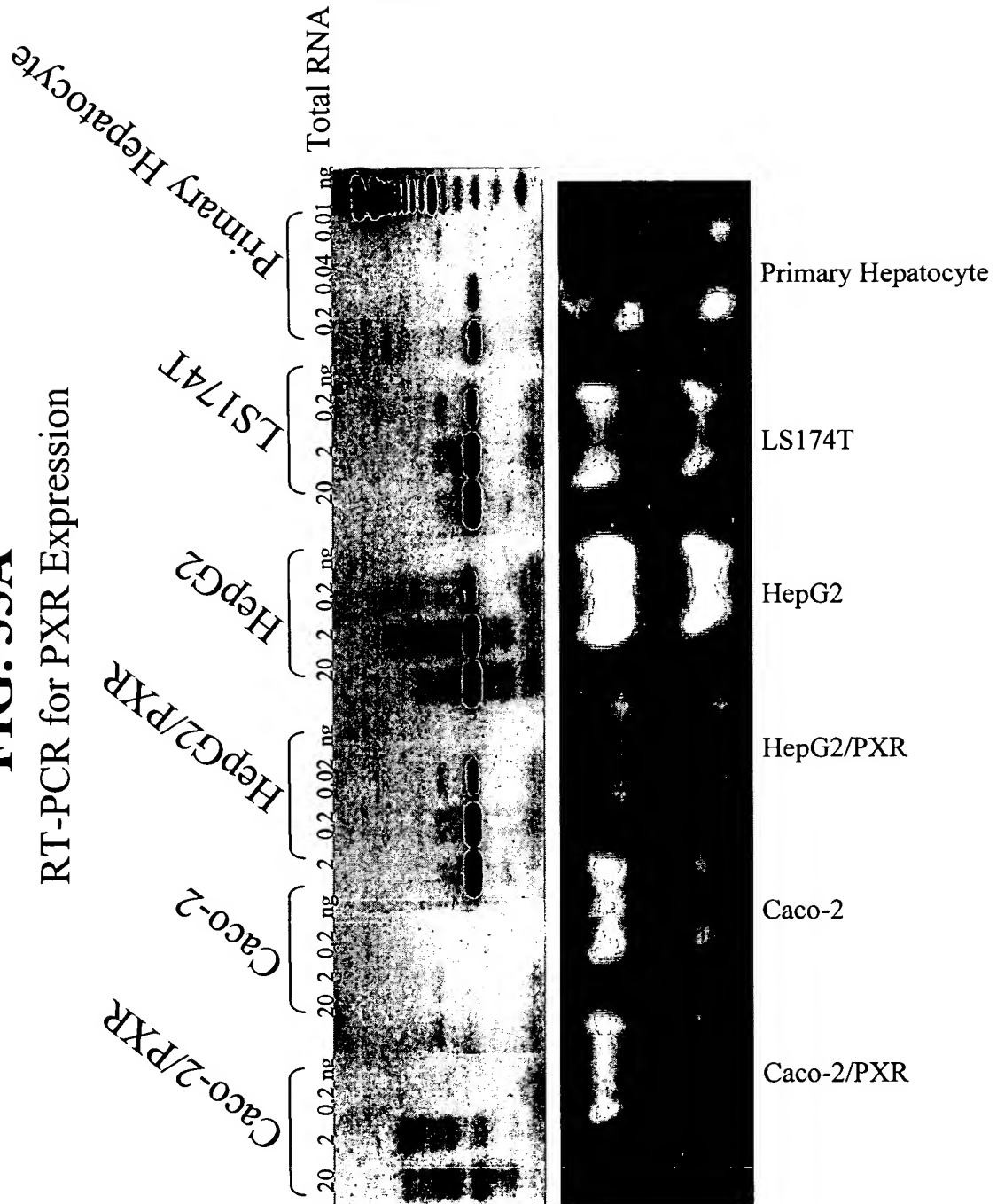


FIG. 33B

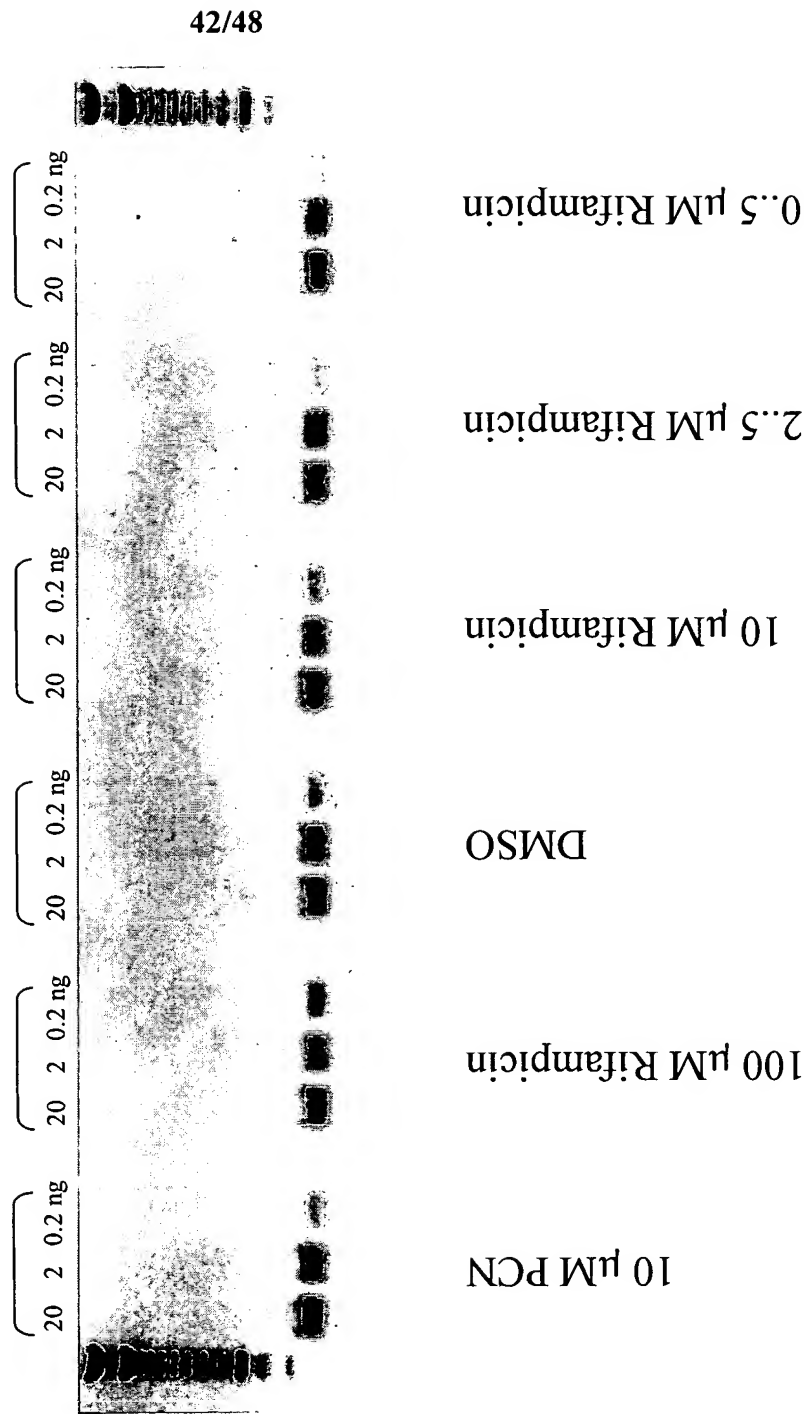


FIG. 34A
Caco-2

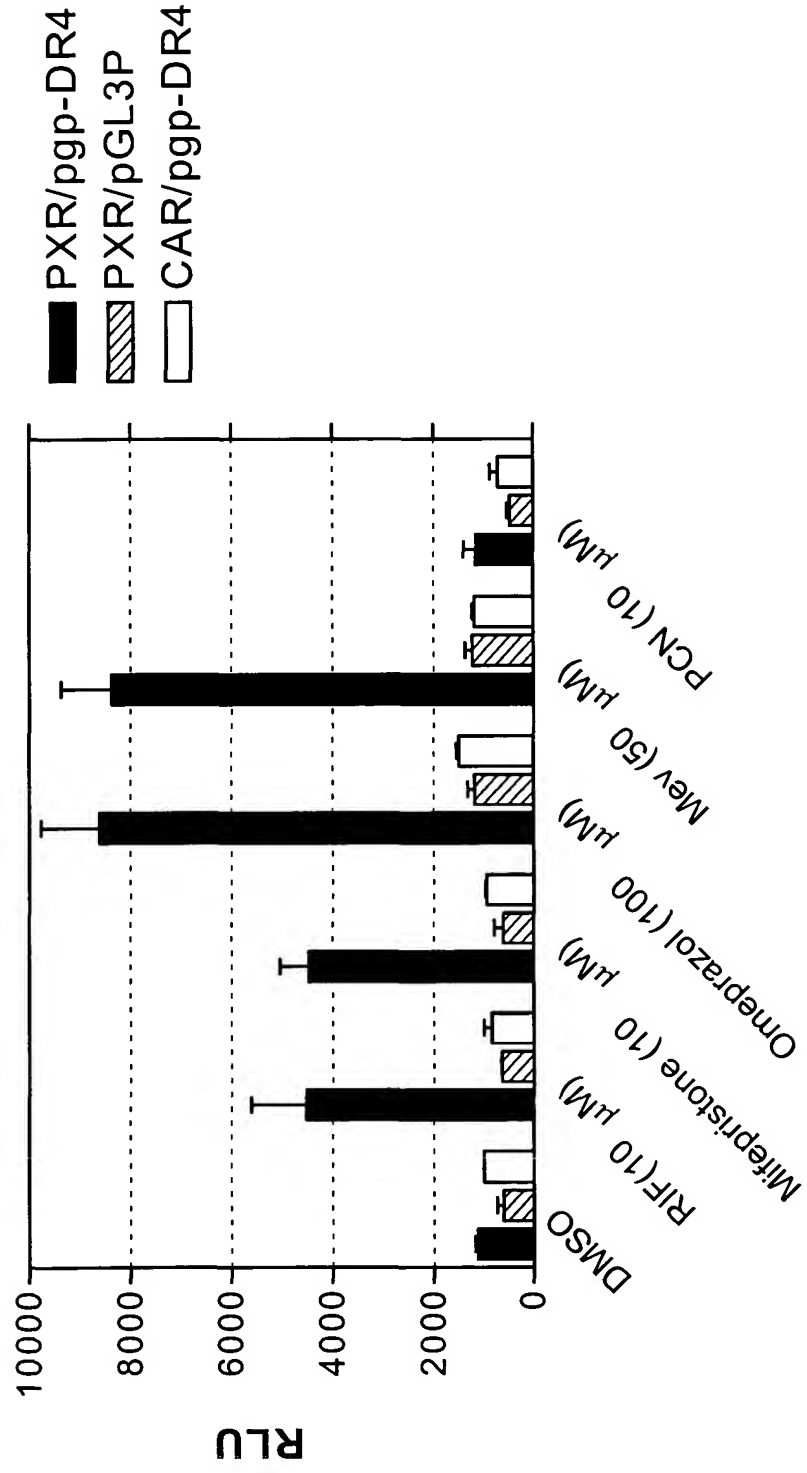


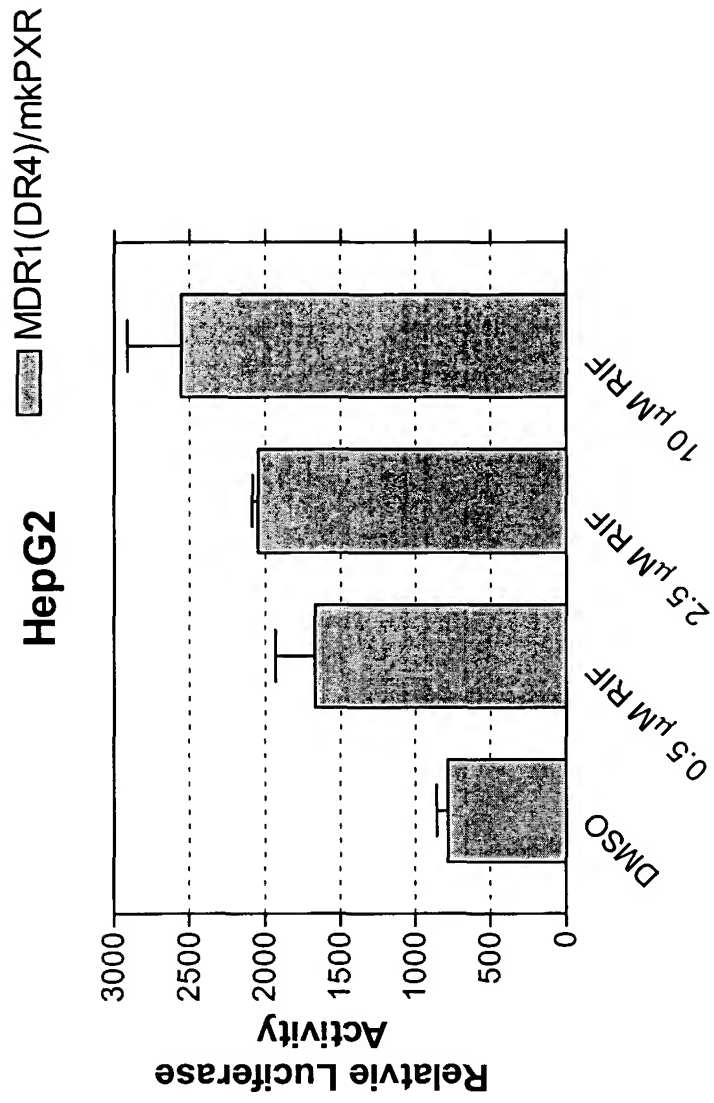
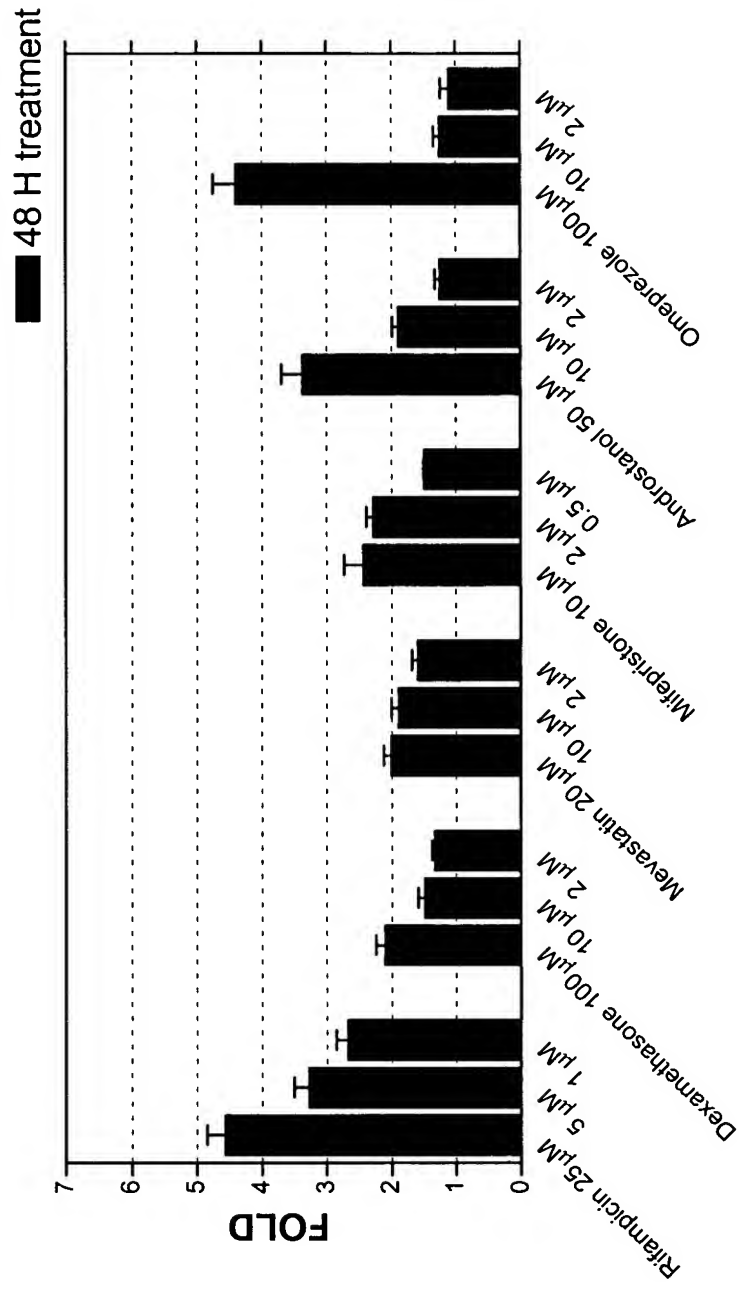
FIG. 34B

FIG. 35A

Hep-PXR/Pgp-Luc



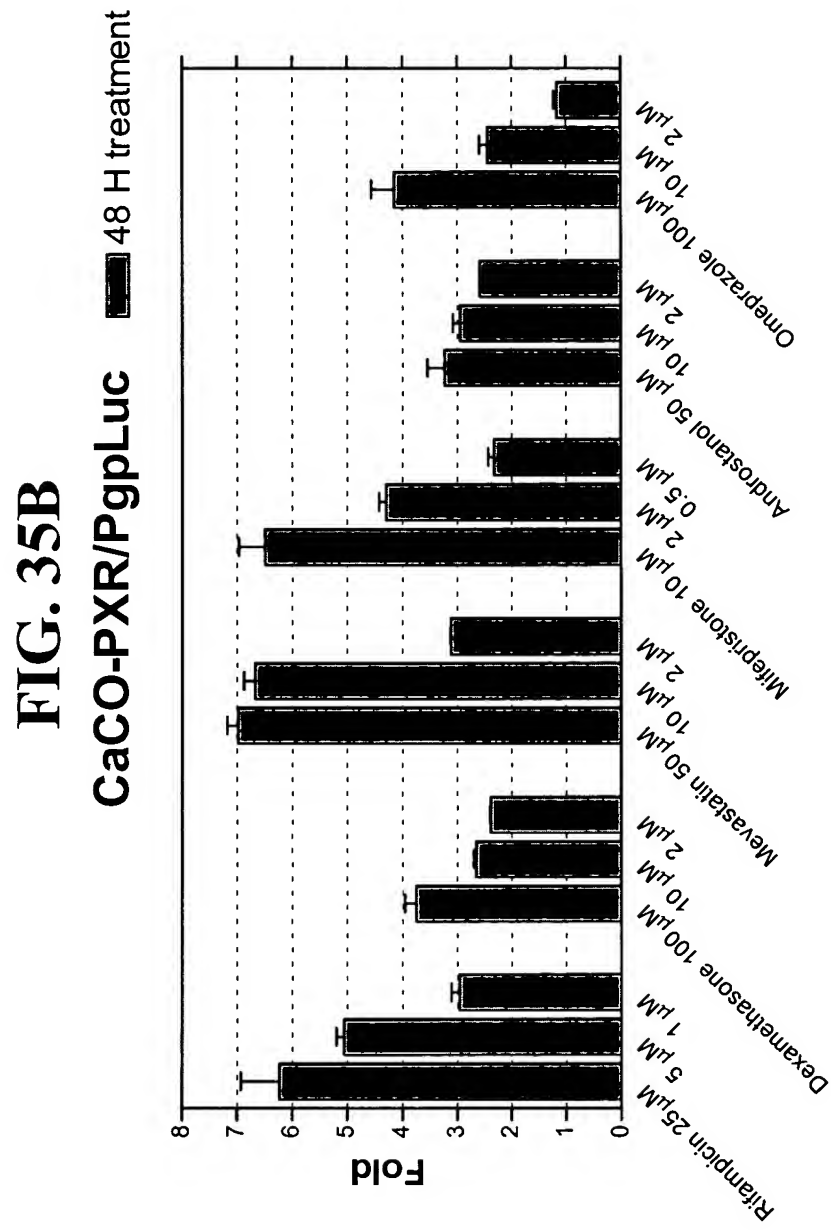


FIG. 36

HepG/Pgp-Luc

